

AD-A190 726 DARE COUNTY GUNNERY RANGE NORTH CAROLINA LIMITED
SURFACE OBSERVATIONS CLT (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JAN 88

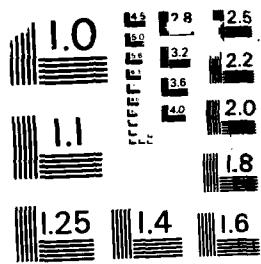
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"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

DARE COUNTY GUNNERY RANGE NC MSC #746950
N 35 41 W 075 54 ELEV 9 FT ZDP

PARTS A - F HOURS SUMMARIZED: 0600 - 1800 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: OCT 77 - SEP 87
SUMMARY OF DAY DATA: NONE

JAN 06 1988

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REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-88/004 DARE COUNTY GUNNERY RANGE NC (LISOCS) Jan 1988 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN
Scientific and Technical Information Program Manager

REPORT DOCUMENTATION PAGE

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18. Subject Terms: *climatology *weather meteorological conditions winds precipitation barometric pressure sky cover temperature relative humidity psychrometric data visibility ceiling Limited Surface Observations Climatic Summary (LISOCS); Dare County Gunnery Range NC; North Carolina; USNC746950.

19. Abstract: A statistical data summary of surface weather observation climatology: Dare County Gunnery Range NC. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART 1, Weather Conditions and Atmospheric Phenomena; PART 2, Surface Winds; PART 3, Ceiling and Visibility; PART 4, Psychrometric Summaries; and PART 5, Pressure Summaries. Note that PART 2, Precipitation, is omitted. See USAFETAC/TN-83-001 (AD132186), An Aid For Using The Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete descriptions of contents and instructions for use.

20. Distribution/Availability of Abstract: Same as report.

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LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NAME: DARE COUNTY GUNNERY RANGE NC

STATION NUMBER: 7469E

SUMMARIZED HOURS: 0600 - 1800 LST

PERIOD OF RECORD

HOURLY OBSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY DATA (FULL TIME): NONE

SUMMARY OF DAY DATA (TEMPERATURES ONLY): MAY 56 - DEC 70, JAN 73 - SEP 87 (BASED ON LIMITED OPERATIONS)

TIME CONVERSION LST TO GMT: +5

DATE PRODUCED: 30 DEC 87

ALL USERS OF THIS LISOCs MUST FAMILIARIZE THEMSELVES WITH THE SITE'S DATA LIMITATIONS PRIOR TO USING OR DISTRIBUTING THESE SUMMARIES. A SPECIAL CAVEAT PAGE PROVIDES IMPORTANT INFORMATION FOR ALL USERS. THIS CAVEAT PAGE IS LOCATED IN FRONT OF THE SUPPLEMENTAL SECTION.

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28851

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES--LISOCs

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 1D/10A AT SCHEDULED HOURLY INTERVALS.

SUPPLEMENTAL DATA: DATA DERIVED FROM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSW0 IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

HOURLY SUMMARIES CONTAINING "TOTALS" AND "ALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-HOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0200-0400, 0400-0600, 0600-0800, 0800-1000, 1000-1200, 1200-1400, 1400-1600, 1600-1800, 1800-2000, 2000-2200, 2200-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSW0).

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PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

NOTE: THE FIRST AND LAST HOUR GROUPS MAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SHEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO HOUR GROUPS.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
746950	STUMPY POINT N C/DARE CO RANGE	N 35 41	W 075 54	9 Ft	ZDP	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL IN FT	TYPE BAROMETER	OBS PER DAY
			FROM	TO					
1	Dare County Range, North Carolina	AF	May 66	Feb 68	N 35 41	W 075 54	9	N/A	2 to 11
2	No Change	AF	Mar 68	Dec 70	No Change	No Change	9	N/A	2 to 11
3	No Change	AF	Jan 71	Sep 87	No Change	No Change	9	N/A	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	May 66 to Feb 68	Located on ROS.	AN/GMQ-1 ML-203B ML-204B	None	13 Ft	
2	Mar 68 to Dec 70	Located on right side of AF center building.		None	15 Ft	

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AA
PP	AA	RR	TT	AA
PP	AA	RR	TT	AA
PPPPPPPPP	AA	RR	TT	AA
PPPPPPPP	AA	RRRRRRR	TT	AA
PPPPPPPP	AAAAAAA	RRRRRRR	TT	AA
PP	AAAAAAA	RR	TT	AAAAAAA
PP	AA	RR	TT	AAAAAAA
PF	AA	RR	TT	AA
PP	AA	RR	TT	AA

WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	RAIN TSTM	FRZNG & OR DRIZZLE	SNOW & OR SLEET	HAUL WITH PRECIP	FOG	SMOKE & OR BLLOWING	DUST & OR W/CBS	% OBS TO VISION	TOTAL OBS
00-02									
03-05									
06-08	16.3		1.7	17.5	18.7	10.0		45.0	411
09-11	13.8		2.1	15.9	21.4	21.6		40.3	630
12-14	13.2		1.6	14.5	18.3	17.1	+2	34.1	607
15-17	7.0	.5	1.4	8.1	12.6	19.1		30.2	444
18-20	4.1		1.4	5.4	8.1	18.9		25.7	74
21-23									
TOTALS	10.9	.1	1.6	12.3	19.8	17.3	+0	35.1	2166

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	RAIN TSTM	FRZNG & OR DRIZZLE	SNOW & OR SLEET	HAUL WITH PRECIP	FOG	SMOKE & OR BLLOWING	DUST & OR W/CBS	% OBS TO VISION	TOTAL OBS		
00-02											
03-05											
06-08	11.6		2.0	13.6	42.5	17.3	+6	53.2	346		
09-11	.2	10.9	.2	.9	12.0	23.1	27.8	48.2	558		
12-14	.5	12.0		.9	12.5	15.4	27.7	41.1	560		
15-17	.2	7.4	1.4	.2	8.6	11.8	23.7	33.8	417		
18-20	1.1	9.6			9.6	8.5	21.3	29.8	94		
21-23											
TOTALS	.4	10.3	.0	1.0	.0	11.3	20.3	23.6	+1	41.2	1975

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC		PERIOD OF RECORD: 78-87							
		MONTH: MAR							
HOURS (LST)	TSMs	RAIN E/OR DRIZZLE	FRZING E/OR RAIN E/OR SLEET	SNOW E/OR HAIL WITH PRECIP	SMOKE E/OR BLOWING HAZE	DUST E/OR W/CBS SNOW TO VISION	% OBS	% OBS	Total OBS
00-02									
03-05									
06-08	.9	14.9		.2	14.9	39.3	23.4		53.6 435
09-11	1.1	11.4		.3	11.4	16.1	26.6	.2	40.2 639
12-14	.3	10.0		.3	10.0	11.9	23.7	.5	34.8 638
15-17	.4	11.7		.8	12.4	12.8	27.3	.6	38.8 477
18-20		7.1		1.2	8.2	14.1	24.7		37.6 85
21-23									
TOTALS	.5	11.0		.6	11.4	18.8	25.1	.3	41.0 2274

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC		PERIOD OF RECORD: 78-87							
		MONTH: APR							
HOURS (LST)	TSMs	RAIN E/OR DRIZZLE	FRZING E/OR RAIN E/OR SLEET	SNOW E/OR HAIL WITH PRECIP	SMOKE E/OR BLOWING HAZE	DUST E/OR W/CBS SNOW TO VISION	% OBS	% OBS	Total OBS
00-02									
03-05									
06-08	.2	9.9			9.9	30.0	33.2		54.3 497
09-11	.8	8.2			8.2	10.0	27.2		36.3 658
12-14	.6	6.5			6.5	7.0	27.0	.5	33.7 644
15-17	.2	9.3			9.3	7.4	28.6	.4	35.4 472
18-20		10.6			10.6	9.4	28.2		35.3 85
21-23									
TOTALS	.4	8.9			8.9	12.8	28.8	.2	39.0 2356

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: MAY

HOURS 1LST1	TSMs	RAIN E/OR DRIZZLE	FRZNG E/OR DRIZZLE	RAIN E/OR SLEET	SNOW E/OR HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING HAZE	DUST E/OR SNOW	% OBS W/CBST SAND	TOTAL TO OBS VISION
00-02											
03-05											
06-08		1.0	8.7			8.7	35.5	38.9		64.8	586
09-11		1.2	8.0			8.0	8.5	71.4		29.4	656
12-14		1.8	7.6			7.6	5.8	28.3		33.7	608
15-17		4.0	6.3			6.3	5.0	27.9		31.7	398
18-20		4.5	6.1			6.1	9.1	30.3		36.4	66
21-23											
TOTALS		2.5	7.3			7.3	12.8	31.4		41.2	2308

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: JUN

HOURS 1LST1	TSMs	RAIN E/OR DRIZZLE	FRZNG E/OR DRIZZLE	RAIN E/OR SLEET	SNOW E/OR HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING HAZE	DUST E/OR SNOW	% OBS W/CBST SAND	TOTAL TO OBS VISION
00-02											
03-05											
06-08		2.1	7.1			7.1	28.7	45.1		60.9	565
09-11		1.0	5.2			5.2	4.6	44.0		47.1	630
12-14		2.9	7.6			7.6	3.5	45.8		49.0	596
15-17		6.9	8.8			8.8	4.8	43.3		47.7	434
18-20		11.9	7.1			7.1	9.5	39.3		47.6	84
21-23											
TOTALS		5.0	7.2			7.2	10.2	43.5		50.5	2309

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: JUL

HOURS (LST)	TSTMS	RAIN	FRZNG	SNOW	% OBS	SMOKE	DUST	% OBS		
		E/OR DRIZZLE	E/OR RAIN	E/OR SLEET	WITH PRECIP	E/OR FOG	E/OR HAZE	E/OR SNOW	E/OR W/CBST	TOTAL OBS
00-02										
03-05										
06-08		.9	3.3		3.3	32.2	55.0		69.5	538
09-11		2.6	4.5		4.5	4.3	50.6		53.9	621
12-14		2.6	5.7		5.7	3.4	51.0		54.0	580
15-17		8.2	8.8		8.8	4.8	53.5		57.2	353
18-20		13.7	9.8		9.8	3.9	45.1		49.0	51
21-23										
TOTALS		5.6	6.4		6.4	9.7	51.0		56.7	2143

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: AUG

HOURS (LST)	TSTMS	RAIN	FRZNG	SNOW	% OBS	SMOKE	DUST	% OBS		
		E/OR DRIZZLE	E/OR RAIN	E/OR SLEET	WITH PRECIP	E/OR FOG	E/OR HAZE	E/OR SNOW	E/OR W/CBST	TOTAL OBS
00-02										
03-05										
06-08		1.8	3.9		3.9	47.4	43.8		71.2	511
09-11		2.4	5.2		5.2	6.1	49.0		53.3	621
12-14		6.5	8.3		8.3	3.8	49.3		52.2	611
15-17		9.4	8.6		8.6	2.6	52.3		54.7	384
18-20		8.2	9.8		9.8	3.3	60.7		62.3	61
21-23										
TOTALS		5.7	7.2		7.2	12.6	51.0		58.7	2188

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: SEP

HOURS (LST)	TSTS	RAIN & OR DRIZZLE	FRZNG RAIN & OR SLEET	SNOW & OR DRIZZLE	HAIL	% OBS WITH PRECIP	FOG	SMOKE & OR HAZE	DUST & OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02											
03-05											
06-08	.4	4.4				4.4	49.5	35.5		48.9	501
09-11		6.2				6.2	60.0	42.8		46.5	565
12-14	.6	4.7				4.7	2.3	40.5		42.5	511
15-17	2.2	5.1				5.1	2.2	42.9		44.7	275
18-20	3.3						6.7	46.7		46.7	30
21-23											
TOTALS	1.3	4.1				4.1	13.3	41.7		49.9	1882

STATION NUMBER: 74695: STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: OC

		RAIN	FRZNG & OR	SNOW	% OBS	SMOKE	DUST	% OBS	
HOURS (LST)	TSTMNS	RAIN	& OR	HAUL	WITH PRECIP	FOG	& OR	W/CBST	TOTAL OBS
		DRIZZLE	& OR	SLEET		HAZE	BLOWING	SAND	
		DRIZZLE							VISION
00-02									
03-05									
06-08	.6	7.4			7.4	54.8	28.8		71.6 500
09-11		5.5			5.5	10.8	37.8		44.9 621
12-14	.3	7.0			7.0	7.5	29.9		36.2 586
15-17	.2	6.0			6.0	6.9	29.7		36.4 434
18-20		5.9			5.9	13.2	36.8		48.5 68
21-23									
TOTALS	.2	6.4			6.4	18.6	32.6		47.5 2209

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: NOV

FOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING E/OR RAIN	SNOW E/OR SLEET	HAIL WITH PRECIP	% OBS	FOG	SMOKE E/OR BLOWING HAZE	DUST E/OR W/08ST SNOW	% OBS	TOTAL SAND TO VISION
C0-02											
C3-05											
06-08		7.9				7.9	52.5	24.4		64.0	406
09-11	.2	7.1				7.1	15.6	38.7		49.1	591
12-14		8.9				8.9	11.3	25.6		34.0	582
15-17		9.6				9.6	10.8	24.3		32.0	415
18-20		7.5				7.5	8.8	15.0		22.5	80
21-23											
TOTALS	.0	8.2				8.2	19.8	25.6		40.3	2074

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: DEC

FOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING E/OR RAIN	SNOW E/OR SLEET	HAIL WITH PRECIP	% OBS	FOG	SMOKE E/OR BLOWING HAZE	DUST E/OR W/08ST SNOW	% OBS	TOTAL SAND TO VISION
00-02											
03-05											
06-08		12.7				12.7	39.2	16.3		49.6	393
09-11		9.3				9.3	18.3	24.4		39.0	611
12-14	.3	11.5				11.5	13.1	19.8		32.1	601
15-17		8.3				8.3	12.0	19.3		28.8	424
18-20		1.4				1.4	10.1	17.4		21.7	69
21-23											
TOTALS	.1	8.6				8.6	18.5	19.4		34.2	2098

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

		PERIOD OF RECORD: 77-87										
		MONTH: ALL										
HOURS (LST)	TSTMS	RAIN	FRZNG	SNOW	% OBS	SMOKE	DUST	% OBS	TOTAL OBS			
		E/OR DRIZZLE	E/OR RAIN	E/OR SLEET	WITH PRECIP	FOG	E/OR HAZE	BLOWING SNOW	E/OR W/CBST	SAND	TO VISION	
JAN	ALL	10.9	.1	1.6	12.3	19.8	17.3	.0	35.1	2166		
FEB		.4	10.3	.0	1.0	.0	11.3	20.3	23.6	.1	41.2	1975
MAR		.5	11.0		.6		11.4	18.8	25.1	.3	41.0	2274
APR		.4	8.9				8.9	12.8	28.8	.2	39.0	2356
MAY		2.5	7.3				7.3	12.8	31.4		41.2	2308
JUN		5.0	7.2				7.2	10.2	43.5		50.5	2309
JUL		5.6	6.4				6.4	9.7	51.0	.0	56.7	2143
AUG		5.7	7.2				7.2	12.6	51.0		58.7	2188
SEP		1.3	4.1				4.1	13.3	41.7		49.9	1882
OCT		.2	6.4				6.4	18.6	32.6		47.5	2209
NOV		.0	8.2				8.2	19.8	25.6		40.3	2074
DEC		.1	8.6				8.6	18.5	19.4		34.2	2098
TOTALS		1.8	8.0	.0	.3	.0	8.3	15.6	32.6	.0	44.6	25982

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	BBBBBBSB
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBSB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AA AA	RRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AA AA	RRRRRRR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PF	AA AA	RR RR	TT	BBBBSB
PP	AA AA	RR RR	TT	BBBBBBBBB

SEE SUPPLEMENTAL SECTION I(SUMMARY OF DAY DATA) FOR THESE SUMMARIES.

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRR	TT	CC
PPPPPPP	AA AA	RRRRRRR	TT	CC
PPPPPPP	AA AA	RRRRRRR	TT	CC
PP	AA AA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (10DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.7	3.6	5.1	2.4							12.9	7.5
NNE	1.5	2.9	3.6	1.5	.2	.5					10.2	8.4
NE		.2	.5	.5							1.2	9.4
ENE	.2		.2	.2							.7	8.0
E	.2	.5	.2	1.0							1.9	8.9
ESE		.2	.2	.2							.7	9.7
SE	.2										.2	2.0
SSE		.2	.5								.7	7.7
S	.5	1.0	1.2								2.7	6.7
SSW	1.7	1.5	.5	1.2							4.9	6.3
SW	1.5	2.2	.7								4.4	4.6
WSW	1.2	1.9	.5								3.6	4.9
W	2.2	1.9	1.5		.2						5.8	5.8
NNW	1.0	2.7	1.2	1.0	.2	.5					6.6	8.4
NW	1.5	2.9	1.2	.2		.2					6.1	6.1
NNW	2.9	3.4	1.7	.2	.2						8.5	5.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	28.7	/
TOTALS	16.2	25.3	19.0	8.5	1.0	1.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 411

**GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFCETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC**

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.0	2.9	4.1	2.3	.2	.2						11.7	8.4
NNE	.9	2.3	3.8	3.6	.2							10.8	9.2
NE	.9	1.8	2.5	.2								5.4	6.7
ENE	.9	2.3	1.1	.2								4.5	5.8
E	1.6	.7	1.1									3.4	4.9
ESE	.2	.2	.5									.9	5.8
SE		.7		.5								1.1	7.8
SSE	.2		.2									.5	5.0
S	1.4	2.3	2.3	.2								6.1	6.0
SSW	.2	1.6	2.5	2.9	.2							7.4	9.5
SW	.9	1.8	3.2	1.1		.2						7.2	8.4
WSW	.2	.9	1.6	1.6	.2							4.5	9.8
W	.7	1.8	1.4	2.0								5.9	8.2
WNW	1.6	1.8	2.3	.2	.2							6.1	6.4
NW	1.1	1.6	4.1	1.1	.5							8.3	8.2
NNW	1.4	2.9	3.2	2.3								9.7	7.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	6.5	/
TOTALS	14.2	25.5	33.6	18.2	1.6	.5						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 848

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	2.7										4.1	4.7
NNE	5.4	1.4	2.7									9.5	4.7
NE	4.1											4.1	2.7
ENE													
E	1.4	1.4										2.7	3.5
ESE													
SE													
SSE													
S	1.4											1.4	2.0
SSW	2.7	4.1										6.8	3.8
SW	1.4	2.7	1.4	4.1								9.5	7.7
WSW	1.4		1.4									2.7	4.0
W	2.7	4.1	1.4									8.1	4.8
WNW		2.7	1.4	1.4								5.4	9.0
NW	2.7	2.7										5.4	3.5
NNW		2.7	4.1	1.4	1.4							9.5	9.4
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	31.1	/
TOTALS	24.3	24.3	12.2	6.8	1.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 74

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.7	3.5	5.1	3.0	.6	.4	.1				14.2	8.9
NNE	1.2	2.6	4.4	2.6	.3	.1					11.1	8.7
NE	.5	1.4	1.9	.6							4.4	7.5
ENE	.3	.6	1.0	.4							2.4	7.5
E	.7	1.1	.6	.2							2.5	5.5
ESE	.2	.4	.2	.1							.9	6.2
SE	.1	.3	.1	.2							.7	7.0
SSE	.1	.2	.2								.5	5.5
S	.7	1.4	1.8	.8							9.8	7.3
SSW	.6	1.7	1.8	1.8	.0						5.9	8.2
SW	.9	1.8	1.8	1.2	.1	.2					5.9	8.1
WSW	.4	.9	1.9	1.1	.1	.0					4.4	8.9
W	1.3	2.1	2.3	1.3	.1						7.2	7.5
WNW	1.2	2.5	2.3	.8	.1	.1					7.0	7.3
NW	.8	1.8	2.9	1.0	.2	.1					6.9	8.2
NNW	1.3	2.6	3.0	1.8	.4	.1					9.2	8.2
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	12.0	////
TOTALS	12.2	24.7	31.4	16.6	1.9	1.1	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 2166

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			
N	4.0	2.3	4.3	1.4	1.2					13.3	7.3
NNE	3.2	3.2	2.0	1.2	.6					10.1	6.5
NE	.9	1.4	.3	.3	.3					3.2	7.0
ENE	.3	.6	.6	.9						2.3	8.5
E	.6	.9	1.4							2.9	6.8
ESE	.3			.6						.9	9.3
SE			.3							.3	10.0
SSE			.3	.9						1.2	12.8
S		.9	.3	.9	.6					2.6	11.2
SSW	.6	1.2	1.4	.6						3.8	7.2
SW	.6	1.4	.3	1.2						3.5	7.0
WSW	.3	1.4		.6						2.3	7.1
W	.9	1.7	2.0							4.6	6.5
WNW	.9	2.6	1.7	.6	.3					6.1	7.0
NW	2.6	1.2	.3	.3	.3					4.6	5.1
NNW	2.6	2.9	3.8	1.2	.3					10.7	6.8
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	27.7	/
TOTALS	17.6	21.7	19.1	10.4	3.5					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	3.9	5.7	5.9	.5	.4						17.2 9.9
NNE	.2	2.9	6.3	1.6	.2	.2						11.3 8.9
NE	.4	1.4	2.5	1.4								5.7 8.5
ENE	.5	1.6	2.2	.5	.4							5.2 P.2
E	.5	2.0	1.4	.5								4.5 6.6
ESE		.5		.9								1.4 9.5
SE			.2	.2	.2							.5 13.7
SSE		.4	.4	.4	.2							1.3 10.6
S	.4	1.1	1.6	1.1	.2	.2						4.5 9.8
SSW	.7	1.1	1.6	.7	.2	.2						4.5 8.3
SW	.4	.2	2.0	1.3	.2							3.9 9.9
WSW	.4	1.1	1.8	.9		.2						4.3 9.0
W	.5	1.6	1.4	.7								4.3 7.3
WNW	.4	2.3	3.0	.5								6.3 7.7
NW	.2	2.3	2.2	2.2	.2							7.0 9.1
NNW	.5	1.6	4.8	4.3	.4							11.6 9.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	/	6.5 //
TOTALS	5.7	24.0	37.1	23.1	2.5	1.1						100.0 P.4

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.5	3.7	7.5	3.2	.7	.2					15.9	9.1
NNE		2.7	4.8	2.5	.2						10.2	9.1
NE	.7	1.9	2.9	1.8							7.1	8.0
ENE	.2	1.4	1.1	1.2							3.9	8.6
E	.2	1.2	2.5	.5							4.5	7.5
ESE		.9	.7	.2							1.8	7.1
SE	.2	.7	.5	.5							2.0	7.9
SSE			1.1		.2						1.2	14.6
S	.4	1.6	2.1	1.6	.5						6.2	9.3
SSW	.4	.9	1.1	2.0	.2		.2				4.6	10.8
SW		.5	1.4	1.6	.7	.4		.2			4.8	13.5
WSW	.4	.7	1.1	.9	.4		.2	.2			3.7	12.0
W	1.1	1.6	2.3	2.0							7.3	8.1
WNW	2.1	2.0	2.5	2.3							8.9	7.9
NW	.5	1.1	3.0	2.9	.4						7.9	9.8
NNW	.2	1.4	3.9	3.7		.2					9.5	10.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	.7	/
TOTALS	6.8	22.3	37.5	28.0	3.0	.9	.4	.4			100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 560

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.5	3.4	5.5	3.4	.5	.2					13.4	9.0
NNE	.2	1.2	4.1	1.2							6.5	8.6
NE	1.2	2.2	3.4	.5	.2						7.4	7.1
ENE	.2	2.4	2.9	1.2							6.7	7.5
E	.2	2.6	1.0								3.8	6.1
ESE	.2	1.4	1.0								2.6	5.8
SE	1.0	.5									1.4	5.2
SSE	.7	.5	1.0	1.0							3.1	8.2
S	1.2	1.9	4.8	1.0							8.9	7.6
SSW	.2	1.0	2.4	1.2	.5	.5					5.8	11.0
SW	1.2	1.9	.7	.5			.2	.5			5.0	12.6
WSW	.5	1.2	.7								2.4	9.2
W	1.0	1.4	2.2	1.2							5.8	7.9
WNW	.2	1.9	1.9	3.4							7.4	9.6
NW	.5	1.9	3.6	2.4	.2						8.6	9.4
NNW	1.2	2.6	1.9	1.7	.2						7.7	7.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	3.4	/
TOTALS	7.7	26.9	39.1	19.4	2.2	.7	.2	.5			100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		2.1	3.2	2.1							7.4	8.6
NNE	1.1	4.3	1.1	1.1							7.4	6.0
NE	3.2	4.3	1.1								8.5	4.5
ENE		5.3	1.1								6.4	5.2
E	1.1	1.1									2.1	4.0
ESE				1.1							1.1	12.0
SE												
SSE	1.1	1.1		1.1							3.2	7.0
S	1.1	3.2	1.1								5.3	5.0
SSW	2.1	2.1	1.1	1.1	1.1						7.4	8.1
SW	3.2	1.1	1.1								5.3	4.0
WSW	1.1		1.1	1.1							3.2	8.7
W	1.1	1.1									2.1	3.5
NNW	1.1	1.1		1.1							3.2	6.7
NW	2.1	2.1	2.1								6.4	6.3
NNW		2.1	5.3	1.1							8.5	7.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	22.3	/
TOTALS	18.1	30.9	18.1	9.6	1.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 94

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LIST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	3.4	5.8	3.6	.7	.2					14.9	9.0
NNE	.7	2.5	4.4	1.7	.2	.1					9.6	8.4
NE	.9	1.8	2.3	1.1	.1						6.2	7.6
ENE	.7	1.7	1.7	.9	.1						4.7	7.9
E	.4	1.7	1.6	.3							3.9	6.7
ESE	.1	.7	.4	.5							1.7	7.6
SE	.1	.4	.4	.2	.1						1.1	8.0
SSE	.2	.3	.4	.8	.1	.1					1.7	10.4
S	.6	1.4	2.2	1.1	.3	.1					5.6	8.8
SSW	.6	1.1	1.6	1.2	.3	.2	.1				4.8	9.5
SW	.4	.9	1.5	1.2	.4	.1	.1	.1			4.4	10.9
WSW	.7	.9	1.1	.8	.1	.1	.1	.1			3.3	9.7
W	.9	1.6	1.9	1.0							5.3	7.6
VNW	1.0	2.1	2.3	1.7	.1						7.1	8.1
NW	.9	1.7	2.4	2.0	.3						7.1	8.8
NNW	.9	2.0	3.8	2.9	.2	.1					9.9	8.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.7	/
TOTALS	9.1	24.1	33.6	20.9	2.7	.7	.2	.2			100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 1975

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.9	2.5	3.0	1.6	.2				8.3	7.8
NNE	1.4	2.1	4.4	3.2	.2	.2			11.5	8.9
NE	1.1	1.6	2.3	.2					5.3	6.1
ENE	.2	.2	1.4	.7	.2				2.8	9.7
E	.5	.2	.9						1.6	6.6
ESE	.2	.9	1.1	.2					2.5	7.3
SE	.5	.2							.7	6.0
SSE	.2		.2						.5	7.0
S	1.1	.7	2.3	1.8	.2				6.2	8.9
SSW	2.1	1.8	.7	2.3	1.1				8.0	9.3
SW	1.1	1.4	2.1		.2				4.8	7.0
WSW	.7	2.5	1.6	.5		.2			5.5	7.2
W	.9	1.6	1.1	.2	.2	.2			4.4	7.7
WNW	1.4	.7	1.4	.9					4.4	7.5
NNW	.7	1.6	2.5	.2					5.1	6.8
NNW	1.4	1.4	1.1	1.1		.5			5.5	8.1
VARIABLE										
CALM	/	/	/	/	/	/	/	/	23.0	////
TOTALS	14.0	19.9	26.2	13.3	2.5	1.1			100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	.9	6.1	3.8	.5							11.9	10.0
NNE	.5	1.3	5.2	4.4	.3	.2						11.8	9.9
NE	.5	1.4	3.0	2.0	.5							7.4	9.2
FNE	.3	.8	2.7	1.3	.3							5.3	9.6
E	.5	1.6	2.2	.9								5.2	7.7
FSE	.9	.9	1.4	.5								3.6	7.1
SE		.3	.5	.2								.9	8.5
SSE		.2	.6	.5								1.3	10.5
S	.3	1.7	2.7	1.7	.6							7.1	9.6
SSW	.6	.8	1.6	2.5	.9		.3					6.9	11.5
SW	.5	.9	2.5	3.1	.3	.3						7.5	11.1
WSW		1.1	2.4	1.6	.2							5.2	9.8
W	.2	2.0	1.9	.8		.2						5.0	8.3
WNW	.2	1.4	.8	.8		.3						3.6	9.4
NW	.3	1.3	1.6	1.1	.2							4.4	8.9
NNW	.5	1.4	3.0	2.8	.8							8.5	10.6
VARIABLE													
CALM	//											4.5	////
TOTALS	6.0	17.9	37.9	27.9	4.5	.9	.3					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS/LIST: 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.4	4.9	3.6			.2					10.2	9.9
NNE	.3	1.4	6.9	4.2	1.1	.3						14.3	10.5
NE	.3	.8	3.0	.9			.2					5.2	9.5
FNE	.3	.8	3.6	1.6	.2							6.4	9.3
E	.4	1.1	2.2	1.1								4.9	8.2
FSE		.9	1.7	.6								3.3	8.6
SE		.3		.5								.8	10.0
SSE	.5	.2	.8	.6	.2							2.2	8.9
S	.7	1.4	4.9	3.3	.2							10.0	9.9
SSW	.3	.5	2.2	4.2	1.1		.5					8.8	13.3
SW	.2	1.1	2.0	3.0	.9		.5	.2				7.8	13.0
WSW	.3	.3	1.3	1.4	.5	.5						4.2	12.4
W	.2	.9	1.9	2.0		.2						5.2	10.2
NNW	.3	1.1	2.5	.9	.2		.2					5.2	9.2
NW		1.3	1.4	1.3								3.9	9.1
NNW	.6	.6	1.1	3.0	.2							5.5	10.7
VARIABLE												2.2	11.1
CALM	/	/	/	/	/	/	/	/	/	/	/		
TOTALS	4.2	14.1	40.3	32.3	4.4	1.1	1.3	.2				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 638

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		1.2	2.7	2.7	2.6							7.5	10.5
NNE	.2	2.1	6.9	2.7	.6	.2						12.8	10.0
NE	.2	1.9	3.4	1.9	.6	.2						8.2	10.0
ENE	.4	2.3	2.9	1.7								7.3	8.3
E	.6	1.9	3.1	.8								6.5	7.7
ESE		2.1	1.5	.4								4.0	7.1
SE	.2	.7	1.0									1.5	7.7
SSF	.4	.4	.8	.4								2.1	7.3
S	.6	2.5	6.1	2.7	.6							12.6	9.2
SSW		.2	2.9	4.0	2.1	.2						9.4	13.3
SW	.2	1.3	3.1	.8	.2							5.7	13.7
WSW	.2	1.0	1.7	.2								3.1	11.8
-	.7	.8	1.5	1.7								4.2	9.2
NNW	.4	1.5	1.0	1.3		.4						4.6	9.4
NW		.7	2.1	1.9	.4		.2					4.8	12.1
NNW	.6	.2	1.0	1.5	.2		.1					3.8	10.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	1.9	/
TOTALS	4.0	18.0	39.4	29.4	5.7	1.3	.4					100.0	9.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.2	2.4	7.1						10.6	6.4
NNE		3.5	2.4	1.2	1.2				8.2	9.6
NE	1.2	2.4	1.2	1.2					5.9	6.8
ENE	2.4	3.5							5.9	3.8
E	2.4	4.7							7.1	4.0
ESE	4.7	1.2	1.2						7.1	4.2
SE										
SSE			1.2						1.2	12.0
S		8.2	3.5	1.2					12.9	7.2
SSW			2.4	2.4	1.2	1.2			7.1	15.2
SW			2.4	1.2					3.5	10.3
WSW			2.4	1.2					3.5	10.7
W	1.2	1.2							2.4	3.5
NNW	1.2	1.2		1.2					3.5	6.7
NW		1.2	1.2						2.4	7.0
NNW		1.2	1.2			1.2			3.5	14.0
VARIABLE										
CALM	/	/	/	/	/	/	/	/	15.3	/
TOTALS	14.1	30.6	24.7	10.6	2.4	1.2	1.2		100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 85

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.5	4.5	3.1	.2	.0					9.8	9.6
NNE	.5	1.7	5.8	3.7	.7	.2					12.5	9.9
NE	.5	1.4	2.9	1.3	.3	0	0				6.5	8.9
FNE	.4	1.1	2.6	1.3	.2						5.6	8.9
E	.6	1.4	2.1	.7							4.8	7.6
FSE	.4	1.2	1.5	.4							3.5	7.3
SE	.3	.3	.4	.2							.9	8.2
SSE	.3	.2	.6	.5	.0						1.5	8.8
S	.5	1.8	4.0	2.4	.4						9.1	9.3
SSW	.7	.7	1.9	3.3	1.3	.1	.2				8.2	12.2
SW	.4	.8	2.0	2.4	.6	.1	.1	.0			6.6	11.6
WSW	.2	.9	1.6	1.3	.2	.2					4.5	10.2
W	.4	1.4	1.6	1.2	.0	.1					4.7	8.9
WNW	.5	1.2	1.4	1.0	.0	.2	0				4.4	8.9
NW	.2	1.1	1.8	1.1	.1		0				4.4	9.2
NNW	.7	.9	1.6	2.2	.3	.1	.1				5.9	10.3
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	7.3	/
TOTALS	6.9	17.7	36.2	26.0	4.3	1.1	.6	.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 2273

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 0600-0800

DIRECTION (DF GRDEES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.2	3.2	4.0	2.0					10.5	7.3
NNE	.6	1.4	1.6	1.8	.8				6.2	9.6
NE	.8	1.2	2.0	.8					4.8	7.6
ENE	.4	.8	.6	.2					2.0	6.3
E	.8	1.9	.8						3.4	5.2
ESE	.6	.2	1.2						2.0	6.3
SE	.2	.8	.6						1.6	6.3
SSE		.8	.4						1.2	5.8
S	.4	.6	1.6	.4					3.0	7.1
SSW	1.2	2.4	3.0	1.0					7.6	7.1
SW	.2	2.2	1.8	1.2					5.4	7.8
WSW	2.0	1.4	1.6	.8					5.8	5.8
W	2.0	4.0	2.6	.2					8.9	5.6
WNW	1.0	1.2	1.8	.6					4.6	6.6
NW	.8	1.4	.8	1.4					4.4	7.9
NNW	.2	1.6	2.0	1.0					4.8	7.9
VARIABLE										
CALM									23.5	
TOTALS	12.5	25.2	26.6	11.5	.8				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 497

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.5	6.5	2.9	.5							12.2	9.5
NNE	.2	1.4	3.5	1.7	.5							7.1	9.8
NE	.5	.8	2.3	1.4								4.9	8.9
ENE	.3	1.1	1.7	1.2								4.3	8.6
E	.9	1.8	.3	.2								3.2	7.9
ESE	.2	1.4	1.8	.2								3.5	7.3
SE	.5	.8	.5	.2								1.8	6.3
SSE	.2	.9	.9	.5								2.4	7.8
S	.5	1.5	3.8	1.7								7.4	8.8
SSW	.6	1.8	2.6	3.2	.9							9.1	10.2
SW	.6	1.1	1.8	2.7								6.2	9.7
WSW	.5	1.2	2.3	.9	.5							5.3	9.0
W	.9	2.7	3.2	1.2								8.1	7.4
NNW	.9	2.3	2.4	2.0	.2							7.8	8.2
NW	.2	.8	3.2	1.2	.3							5.8	9.6
NNW	.6	1.2	3.3	1.7								6.8	8.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.1	/
TOTALS	7.1	21.3	41.6	22.8	2.9							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 658

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND		
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47			48-55	GE 56
N	.5	1.6	3.9	3.0	.8							9.6	10.2
NNE		.3	3.7	2.0	.6							6.7	11.1
NE	.2	.8	1.7	1.1	.2							3.9	9.2
ENE	.2	1.1	1.1	.5								2.8	7.4
E	.9	2.2	3.1	.2								6.2	6.6
ESE	.2	1.1	2.5	.3								4.0	7.8
SE	.2	.9	1.1	.2								2.3	7.2
SSE	.2	.8	.8	.3								2.0	7.7
S	.6	2.6	4.8	5.6	.9							14.6	10.3
SSW	.5	.5	3.1	4.5	1.4	.5						10.4	12.3
SW	.3	.3	1.7	2.5	1.1		.2					6.1	12.4
WSW	.2	.8	1.4	1.2	.6	.2						4.3	10.9
W	.6	1.2	1.7	2.3								5.9	9.1
NNW	.3	1.0	4.3	1.9	.5							8.9	9.1
NW	.2	1.7	1.9	1.6	.2							5.4	9.0
NNW	.3	1.4	2.2	1.6								5.4	8.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	1.4	/
TOTALS	5.0	19.1	39.0	28.6	6.2	.6	.2					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 644

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87

MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.2	.4	3.6	2.5	.2					7.0	10.5
NNE	.4	.6	1.9	2.1						5.1	9.9
NE	.2	.6	2.5	1.7						5.1	9.1
F NE	.4	1.1	1.9	1.1						4.4	8.3
E	.8	2.3	3.2	.8						7.2	7.4
ESE	.6	.9	2.5	.4						4.4	7.4
SE	.6	1.6	.2		.2					2.5	5.8
SSE	.9	1.9	1.9							4.7	5.9
S	.2	3.2	7.2	5.5	.8					16.9	10.2
SSW	.2	.6	3.8	8.5	2.1					15.3	12.5
SW	.4	1.3	1.5	.4	.4					4.0	13.3
WSW	.2	.2	.6	.8	.2	.2				2.3	11.9
-	.6	.6	1.7	.8						3.8	8.2
WNW	.4	1.5	1.7	1.7	.2					5.5	9.2
NW	1.1	1.3	2.3	1.1						5.7	7.6
NNW	1.3	1.7	1.1	.2						4.2	9.6
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	1.7	/
TOTALS	7.0	18.4	38.1	29.7	4.4	.6				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 472

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED TN KNOTS								GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			
N	1.2		1.2	2.4						4.7	9.3
NNE	2.4	1.2	1.2	1.2						5.9	7.0
NE	1.2	1.2	4.7	3.5						10.6	8.7
ENE		2.4								2.4	4.0
E	1.2	2.4	1.2							4.7	5.3
ESE		4.7								4.7	5.5
SE	1.2									1.2	3.0
SSE	1.2	1.2				1.2				3.5	10.3
S		4.7	2.4	1.2						8.2	7.3
SSW			9.4	8.2						17.6	11.0
SW			2.4	2.4						4.7	11.8
WSW	2.4	1.2	1.2							4.7	5.0
W	1.2	4.7								5.9	4.2
WNW	3.5	1.2		1.2						5.9	5.0
WNE	1.2		3.5	1.2						5.9	7.8
NNW											
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	9.4	/
TOTALS	16.5	24.7	27.1	21.2		1.2				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 85

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.6	4.5	2.6	.4							9.8	9.3
NNE	.2	.9	2.8	1.9	.5							6.4	10.1
NE	.4	.8	2.2	1.3	.0							4.8	8.7
F NE	.3	1.1	1.3	.7								3.4	7.8
E	.6	1.8	2.2	.3	.0							4.9	6.8
ESE	.3	1.1	2.0	.2								3.6	7.3
SE	.4	.9	.6	.1	.0							2.0	6.4
SSE	.3	1.1	.9	.2		.0						2.5	7.0
S	.4	2.1	4.2	3.2	.4							10.4	9.7
SSW	.6	1.3	3.3	4.3	1.1	.1						10.7	11.0
SW	.3	.9	1.7	2.1	.4	.1	.0					5.5	10.7
WSW	.7	.9	1.5	.9	.3	.1						4.5	8.8
W	1.0	2.2	2.2	1.2								6.7	7.3
WNW	.8	1.7	2.6	1.6	.2							6.9	8.3
NW	.6	1.2	2.2	1.3	.1							5.4	8.6
NNW	.2	1.3	2.3	1.3	.0							5.3	8.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.2	/
TOTAL	9.6	21.1	44.5	22.7	3.6	1	6					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 2356

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	2.4	2.6	.2							5.8	5.6
NNE	1.2	3.4	4.3	1.2							10.1	7.3
NE	1.2	1.4	1.4	.7							4.6	6.7
ENE		.7	1.0	.2							1.9	8.0
E	.7	1.0	.9								2.2	6.2
ESE	.5	.7		.2							1.4	5.4
SE	.2	.3									.5	3.7
SSE	.2	.3	.5								1.0	6.8
S	.2	1.2	.9	1.0	.2						3.4	9.3
SSW	2.0	3.4	2.2	3.1	.2						10.9	7.8
SW	1.5	3.6	3.9	1.0							10.1	6.8
WSW	1.5	1.7	2.2	1.4							6.8	7.3
W	2.0	2.9	.7	.2							5.8	4.9
WNW	1.4	2.0	.5								3.9	4.5
NNW	1.4	1.2	.3	.2							3.1	4.4
NNW	.7	2.2	1.5								4.4	5.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	24.1	/
TOTALS	15.0	28.5	22.9	9.2	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	2.3	4.6	1.7	.2							10.5	7.6
NNE	.5	1.8	5.7	1.4	.3							9.7	8.7
NE	.3	1.9	1.7	2.0	.2							6.0	8.8
FNE	.6	1.2	1.8	.2	.3							4.2	7.8
E	.5	.9	2.2	.9								4.5	7.9
ESE	.5	.8	.6									1.8	5.6
SE	.2	.5	.2									.8	6.2
SSE	.2	.8	.3									1.2	5.0
S	.2	1.7	4.2	2.5	.2	.2						8.8	9.6
SSW	.5	2.6	3.2	3.8	.6							10.8	9.7
SW	.5	.8	3.1	3.4	.5							8.2	10.3
WSW	.6	2.0	3.1	2.2								7.8	8.6
W	1.7	3.7	2.6	.5								8.5	6.1
NNW	.9	3.2	1.1	.3								5.5	5.6
NW	.5	1.4	1.8	.3								4.0	7.1
NNW	.9	2.3	1.8	.6								5.7	6.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.2	/
TOTALS	10.0	27.8	38.0	19.7	2.2	.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS*

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	2.5	5.9	1.8	.2							10.5	8.7
NNE	.2	2.3	2.0	2.0	.3	.2						7.1	9.4
NE	.3	1.6	3.3	1.3	.2							6.7	8.7
ENE	.	1.8	2.1	.8								4.8	7.9
E	.7	1.5	3.8	1.0								6.9	7.9
ESE	.2	.9	1.3	.2								2.5	6.9
SE	.2	1.2	.8	.3								2.6	6.6
SSE	.3	.7	1.8	.3								3.1	7.5
S	.8	2.8	8.4	5.9								17.9	9.4
SSW	.3	1.0	3.6	5.3	1.0	.3						11.5	11.6
SW	.	2.6	2.8	.2	.2							6.2	11.3
WSW	.8	2.6	1.3		.2							4.9	9.5
W	.8	1.2	1.2	.2	.2							3.5	6.8
WNW	.7	2.0	.7	.2								3.5	5.4
NW	.5	.8	1.6	.2								3.1	6.9
NNW	.7	.2	1.5	.5								2.8	7.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.3	/
TOTALS	6.1	21.5	43.3	24.0	1.8	1.0						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.3	3.0	1.5								7.0	7.7
NNE	.5	1.5	3.5	2.8								8.3	9.0
NE	.8	1.0	3.3	.5								5.5	7.7
FNE	.7	4.0	2.8	.3								7.3	6.5
E	.8	4.8	2.0	.8								8.3	6.3
ESE	.3	1.0	2.0	.3								3.5	7.4
SE	.3	1.3	.8									2.3	5.9
SSE	.5	1.3	1.0	.5								3.3	6.8
S	.8	4.3	9.8	5.5	.8	.3						21.4	9.4
SSW	.5	.3	9.3	6.3	2.0	.8						19.1	11.9
SW	.5	1.3	1.3	1.5	.3							3.5	10.9
WSW	.7	.5	1.0	.5								2.3	7.7
W	1.0	.8	.5									2.3	4.7
NNW	.5	.3	.3									.8	6.7
NW	.7	.3	.3									.8	5.0
NNW	.2	.5	1.3	.3								2.3	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.3	/
TOTALS	7.5	23.6	42.0	20.6	3.0	1.7						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 398

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.0	3.0	1.5									7.6	7.6
NNE			3.0	3.0								6.1	10.5
NE		6.1	3.0									9.1	6.7
ENE	3.0		1.5									4.5	4.0
E	6.1	6.1										12.1	3.8
ESE	1.5	3.0										4.5	5.0
SE	4.5											4.5	2.0
SSE	1.5	1.5										3.0	3.0
S	1.5	4.5	7.6	1.5	1.5							16.7	8.5
SSW		4.5	7.6	4.5								16.7	9.5
SW		1.5	3.0		3.0							7.6	11.6
WSW		1.5										1.5	4.0
W													
NNW													
NW													
NNW	1.5											1.5	2.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.5	/
TOTALS	19.7	31.9	28.8	10.6	4.5							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 66

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										PERIOD OF RECORD: 78-87	MONTH: MAY	HOURS(LST): ALL
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.2	4.1	1.3	.1							8.6	7.8
NNE	.6	2.3	3.9	1.8	.2	.0						9.8	8.5
NE	.6	1.6	2.3	1.2	.1							5.8	8.1
FNE	.7	1.7	1.9	.3	.1							4.3	7.4
E	.7	1.9	2.2	.6								5.4	7.0
ESE	.4	.9	.9	.1								2.3	6.4
SE	.3	.7	.4	.1								1.6	5.8
SSE	.3	.7	.9	.2								2.1	6.6
S	.5	2.4	5.5	3.5	.3	.1						12.2	9.4
SSW	.9	2.0	4.2	4.5	.8	.2						12.6	10.3
SW	.5	1.4	2.9	2.2	.3	.0						7.3	9.4
WSW	.6	1.3	2.3	1.4								5.7	8.3
W	1.4	2.2	1.3	.2								5.2	5.7
WNW	.9	2.0	.6	.1								3.6	5.3
NW	.5	1.0	1.1	.2								2.9	6.2
NNW	.7	1.3	1.5	.3								3.9	6.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.8	/
TOTALS	10.1	25.7	36.0	19.1	1.8	.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 2308

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (IN DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	2.7	1.2									4.8	5.3
NNE	1.2	3.2	3.2	.5								8.1	6.5
NE	.4	1.9	2.5	1.1								5.8	7.8
FNE	.4	.9	1.6	.4								3.2	7.1
E	.4	1.6	.9	.4								3.2	6.3
FSE		1.1	.2									1.2	5.0
SE	.2	.4	.2									.7	4.0
SSE	.4	.4										.7	4.0
S	1.2	1.1	.7	.4								3.4	5.7
SSW	1.4	2.8	2.1	.9								7.3	6.6
SW	.7	3.5	4.4	.9								9.6	7.4
WSW	1.1	2.3	5.1	.9	.4							9.7	7.6
W	1.4	3.7	1.8	.2								7.1	5.3
WNW	.7	1.4	.2									2.3	4.3
NW	.5	1.1	.4	.4								2.3	5.9
NNW	1.2	1.1	.4	.2								2.8	4.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	27.8	/
TOTALS	12.0	29.2	24.8	6.0	.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	2.7	2.9	.6								7.3	6.9
NNE	.5	2.7	3.8	1.9								9.9	8.4
NE	.5	1.4	2.9	1.7	.2							6.7	8.5
ENE	.8	1.9	1.9	1.0	.2							5.7	7.5
E	.5	2.1	2.5	1.1								6.2	7.5
ESE	.5	1.7	.8									3.0	5.3
SE	.6	1.0	.2									1.7	4.5
SSE	.5	1.7	.3									3.5	4.9
S	.6	2.5	3.2	1.0								7.3	7.2
SSW	.3	1.9	3.7	1.9								7.8	8.6
SW	.2	1.3	5.7	1.9	.2							9.2	9.2
WSW	.2	3.5	3.5	1.7	.2							9.0	9.2
W	1.0	2.4	3.3	.2								6.8	6.5
NNW	1.1	1.4	.6	.5								3.7	5.7
NW	1.0	2.4	.5	.2								4.1	5.1
NNW	.5	1.4	1.0	.3								3.2	6.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	6.8	//////
TOTALS	9.7	72.7	36.7	14.0	.6							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										PERIOD OF RECORDS: TR-87 MONTH: JUN HOURS(LST): 1200-1400		
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	3.7	1.5	.5								7.4	6.0
NNE	.5	2.3	5.4	1.7								9.9	8.2
NE	.2	2.5	2.3	1.0	.2							6.2	8.1
F NE		2.0	1.5	1.2								5.5	7.7
E	1.2	2.2	2.3	1.2								6.9	6.9
ESE	.5	1.5	1.3									3.4	6.4
SF	.7	.8	.5									1.5	6.2
SSE	.8	.7	1.8									3.4	6.5
S	.5	2.2	8.7	3.4								14.8	8.8
SSW		2.0	3.4	5.2								10.6	10.2
SW	.5	2.7	4.7	2.7	.2							10.2	9.1
WSW	.7	.9	2.5	1.0	.2							5.2	8.4
W	1.7	1.2	1.7									4.2	5.6
WNW	1.7	1.7	.3	.2								3.9	4.2
NW	1.7	1.0	1.0	.2	.2							2.9	7.5
NNW	.7	1.3	.7									2.2	5.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.0	//////
TOTALS	9.7	29.7	39.8	1P.1	.7							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 596

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFCETAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
 DIRECTION MONTH: JUN HOURS(LST): 1500-1700
 (DEGREES) ****

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.5	1.9	.7	.2								3.2	6.1
NNE	.5	1.4	5.8	1.4								9.0	8.6
NE	.7	1.2	4.4	.7								6.9	7.9
FNE	.7	3.2	2.8	.5								7.2	6.8
E	1.4	3.2	3.2	.7								8.5	6.2
ESE	.5	3.2	1.6									5.3	5.8
SE	.7	.9	.7									2.3	5.4
SSE	.2	.5	1.2									1.8	6.9
S	1.9	4.4	9.0	5.8								21.0	9.5
SSW	.7	1.6	5.5	6.9	1.2							15.9	10.7
SW		.7	3.2	2.8								6.7	10.2
WSW		.7	1.2	.5								2.3	8.6
W		.7	.9	.5	.5							2.5	6.2
NNW		.7	.5	.5								1.2	6.0
NW		.7	.5	.2								.9	5.5
NNW		.9	1.2									2.1	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	3.0	1.1
TOTALS	8.9	25.6	41.6	19.9	1.2							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2										1.2	3.0
NNE			2.4								2.4	8.0
NE	3.6	6.0	2.4								11.9	4.8
ENE	2.4	2.4	1.2								6.0	5.0
E	2.4	1.2	1.2								4.8	4.3
ESE	2.4	4.8	1.2								8.3	4.6
SE	1.2	3.6									4.8	4.5
SSE	4.8	2.4									7.1	3.2
S	1.2	2.4	4.8	1.2							9.5	6.5
SSW	3.6		6.0	10.7							20.2	10.4
SW		1.2	2.4	2.4							6.0	9.6
WSW	1.2			1.2							2.4	6.5
W	1.2										1.2	2.0
WNW		2.4			1.2						3.6	9.7
NW	1.2										1.2	3.0
NNW		1.2									1.2	5.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.3	/
TOTALS	26.2	27.4	21.4	15.5	1.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC		PERIOD OF RECORD: 74-87											
		MONTH: JUN HOURS(LST): ALL											
DIRECTION (DEGREES)	1-3	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.7	1.6	1.3								5.7	6.7
NNE	.6	2.4	4.4	1.3								8.8	8.0
NE	.9	1.9	2.9	1.1	.1							6.6	7.9
ENE	.5	2.2	1.9	.7	.0							5.3	7.2
E	.9	2.2	2.2	.8								6.0	6.7
ESE	.4	1.9	1.0									3.3	5.6
SE	.4	.6	.3									1.6	5.1
SSE	.6	.9	.8									2.3	5.5
S	1.0	2.4	5.2	2.3								12.9	8.1
SSW	.7	2.0	3.6	3.8	.2							10.4	9.4
SW	.7	2.0	4.5	2.0	.1							9.0	8.8
WSW	.7	1.9	3.1	1.1	.2							6.7	8.1
W	1.1	2.0	1.9	.2								5.2	5.9
NNW	1.0	1.3	.4	.2	.0							2.9	5.1
NW	.7	1.4	.5	.2	.0							2.6	6.0
NNW	.5	1.2	.7	.1								2.6	5.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	10.1	////
TOTALS	10.7	29.4	34.9	14.3	.7							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 2308

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOUR Y OBSERVATIONS**

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	3.5	.7									6.5	4.3
NNE	.7	3.3	2.0									6.1	5.6
NE	.6	1.7	.2									2.4	4.8
ENE	.6	1.1	.9									2.6	5.9
E	.2	.7	.4									1.3	5.6
ESE	.2	.7	.2	.2								.7	7.0
SE	.2	.2										.4	3.5
SSE	.2											.2	2.0
S	.4	1.5	.2									2.2	4.8
SSW	1.9	4.3	2.4	.4								9.9	5.7
SW	2.4	5.6	4.3	1.1								13.4	6.4
WSW	1.7	3.7	2.4	.4								7.8	5.9
W	2.6	3.9	.7	.4								7.6	4.8
NNW	2.4	1.1	.4									3.9	3.7
NW	1.3	.7	.6									2.6	4.4
NNW	.7	.9	.4									2.0	4.4
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	31.2	1.1
TOTALS	18.0	32.5	15.8	2.4								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 538

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										PERIOD OF RECORD: 78-87 MONTH: JUL HOURS(LST): 0900-1100		
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.9	2.6	.3								5.5	6.6
NNE	1.1	3.2	3.5									7.9	6.3
NE		1.3	3.7	.2								5.2	7.6
ENE	1.0	2.1	2.3	.2								5.5	6.3
E	.6	1.8	1.6									4.0	5.8
ESE	1.0	1.1	.3	.3								2.7	4.9
SE	.6	.6										1.3	3.6
SSE	.5	.6	.5	.3								1.9	6.1
S	.4	2.6	1.8	.6								5.8	6.6
SSW	.6	2.1	3.1	1.6								7.4	8.2
SW	1.4	4.3	4.6	1.8	.3							12.7	7.9
WSW	1.0	3.2	3.1	2.1								9.3	7.5
W	2.6	4.3	1.6	.2								8.7	5.2
WNW	1.6	3.2	.8									5.9	4.3
NW	1.1	1.6	.5	.3								3.7	4.9
NNW	1.1	2.1	.5	.5								4.2	5.4
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	8.4	/
TOTALS	16.1	36.2	30.6	8.4	.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.4	2.1	1.7	.2							5.3	5.6
NNE	.5	2.4	3.4	1.2							7.6	7.5
NE	1.0	2.2	2.6	.3							6.2	6.6
ENE	.7	1.6	2.4								4.7	6.5
E	.9	2.1	2.6	.3							5.9	6.5
FSE	1.2	1.9	.7								3.9	4.9
SE	.5	.7	.5								1.7	5.2
SSE	.2	1.4	.7								2.2	5.9
S	.2	4.0	6.9	2.2	.2						13.4	8.3
SSW	.9	2.1	6.0	3.1	.2	.2					12.4	9.1
SW	.3	1.9	5.0	1.7	.3	.2					9.5	9.0
WSW	.7	2.2	2.4	1.2	.2						6.7	7.9
W	.9	3.1	.9	.9							5.7	6.4
WNW	1.7	1.0	.2								2.9	4.0
NW	.7	1.0	.3								1.7	4.7
NNW	1.2	1.9	1.0								4.1	4.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.0	/
TOTALS	12.6	31.6	37.4	11.2	.9	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.1	.6	1.1						2.8	5.6
NNE	.8	2.0	2.5	.6					5.9	7.1
NE	.3	3.7	3.7	.8					8.5	7.3
FNE	.3	2.0	2.8						5.1	6.7
E	.7	5.9	2.5	.6					9.3	6.2
ESE	2.0	1.1	1.7						5.4	4.8
SE	.3	.3	.3						.6	6.5
SSE	.8	1.1	.6						2.5	4.9
S	1.1	5.7	6.8	4.0	.3				17.8	8.3
SSW	.3	3.7	7.1	7.4	.3				18.7	9.7
SW	.3	1.4	2.0	3.1					6.8	9.7
WSW	.3	2.0	1.1	.8					4.2	7.6
W	.3	.8	.8	.3					2.8	5.9
WNW	.8								.8	4.0
NW	.6		.3						.8	4.3
NNW	.8	.8							1.7	5.8
VARIABLE										
CALM	/	/	/	/	/	/	/	/	5.9	/
TOTALS	9.6	22.0	34.3	17.6	.6				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 353

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
 MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N														
MNE			5.9	2.0									7.8	6.0
NE		5.9	5.9										11.8	3.8
FNE			2.0										2.0	5.0
E		2.0	2.0										3.9	3.0
FSE		3.9	5.9										9.8	3.4
SF			2.0										2.0	4.0
SSE		2.0											2.0	2.0
S	2.0	5.9	3.9	2.0									13.7	6.4
SSW	2.0	7.8	11.8	2.0									23.5	7.5
SW			3.9										3.9	12.5
WSW														
W			2.0										2.0	8.0
NNW														
NW														
NNW			2.0										2.0	10.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	/	15.7	/
TOTALS	17.6	37.3	21.6	7.8									100.0	5.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.7	2.1	1.6	.1							5.1	5.5
NNE	.8	2.9	2.9	.4							7.0	6.6
NE	.6	2.1	2.4	.3							5.5	6.7
FNE	.7	1.7	2.0	.0							4.4	6.3
E	.6	2.3	1.7	.2							4.7	6.1
ESE	1.2	1.2	.6	.1							3.1	4.9
SE	.4	.5	.2								1.1	4.6
SSE	.4	.7	.4	.1							1.7	5.5
S	.7	3.3	3.6	1.5	.1						9.1	7.7
SSW	1.0	3.0	4.6	2.7	.1	.0					11.4	8.4
SW	1.2	3.4	4.2	1.9	.2	.0					10.8	7.9
WSW	.8	2.8	2.3	1.2	.0						7.2	7.2
W	1.2	3.2	1.1	.4							6.5	5.4
NNW	1.6	1.6	.4								3.6	4.1
NW	.9	.9	.4	.1							2.3	4.7
NNW	.8	1.5	.7	.1							3.2	5.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	13.3	/
TOTALS	14.4	33.4	29.1	9.1	.4	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 2143

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	2.5	1.2									5.9	4.7
NNE	.6	1.9	2.2									4.5	6.5
NE	1.0	1.4	1.4									3.7	5.6
FNE	1.2	.6	.4	.2								2.3	5.3
E	.4	.4	.2									1.0	4.6
FSE	.6	.2										.8	3.5
SE			.2	.2								.4	11.0
SSE	.6	.2		.2								1.0	5.0
S	.8	1.0	.6	.2								2.5	5.5
SSW	2.3	2.5	.6	.2								5.7	4.5
SW	2.9	4.7	2.0	.4								10.0	5.2
WSW	1.2	2.5	1.0	.2								4.9	5.3
W	2.5	2.7	.6									5.5	4.2
WNW	1.0	.2										3.1	3.9
NW	1.2	1.8	.2									3.1	4.1
NNW	1.6	1.4										2.9	3.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	42.7	/
TOTALS	20.0	25.4	10.4	1.6								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 511

**GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC**

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
 MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N	1.7	3.7	2.4	.2									7.6	5.6
NNE	1.0	3.9	4.3	1.0									10.1	7.1
NE	.2	2.7	3.4	1.0									7.2	7.5
ENE	.3	1.1	1.8	.3									3.5	7.4
E	1.0	1.9	1.3										4.2	5.5
ESE	.2	.8	.5										1.4	6.3
SE	.5	.8	.2										1.4	4.0
SSE		.5	.5										1.0	6.7
S	.5	4.0	3.4	1.3									9.2	7.4
SSW	.5	1.6	3.5	.5									6.1	7.4
SW	.6	3.4	4.0	3.1									11.1	8.2
WSW	.6	3.1	2.3	1.0									6.9	7.1
W	2.4	5.7	1.3	.5									9.2	5.3
WNW	1.6	1.1	.3										3.1	3.9
NW	.6	1.1	.5										2.3	5.0
NNW	.7	2.1	.5										2.9	4.9
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	/	12.7	/
TOTALS	11.6	36.9	30.1	8.7									100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									PERIOD OF RECORD:	MONTH: AUG	HOURS(LST): 1200-1400	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	1.6	2.3	.7								5.2	7.2
NNE	1.5	3.6	3.1	.7								9.8	6.5
NE	.7	2.0	3.6	1.3								7.5	8.0
ENE	.5	2.5	1.8	.5								5.2	6.7
E	1.0	2.5	1.8	.3								5.6	6.3
ESE	1.7	1.8	.7									3.8	4.6
SE	.3	1.1	.3									1.8	5.2
SSE	.5	1.0	1.6	.3								3.4	7.0
S	.8	2.0	8.5	2.9								15.2	8.4
SSW	.2	2.6	4.7	3.4								11.0	9.1
SW	.3	1.6	3.4	2.3								7.7	9.2
WSW	.5	1.6	2.6	1.3	.2							6.2	7.9
W	1.1	3.3	1.1									5.6	5.0
NNW	.3	1.8										2.1	4.8
NW	.2	.9	.3									1.3	5.6
NNW	.5	1.0	1.1									2.6	5.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	6.9	/
TOTALS	10.7	31.9	37.2	13.7	.2							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 611

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	1.6	.8									2.6	6.1
NNE	.3	3.6	3.4	1.0								8.3	7.4
NE	1.6	1.8	1.3	1.3								6.0	6.9
ENE	.7	1.6	.8	.8								3.4	7.3
E	2.6	8.1	.8									11.5	4.8
ESE	.8	2.3	1.6									4.7	5.7
SE	1.0	.8										1.8	3.7
SSE		1.0	.5	.3								1.8	7.0
S	.5	3.4	9.4	5.7								19.0	9.2
SSW	.7	2.9	11.2	5.5								19.8	9.3
SW	1.7	3.6	1.3									6.2	9.8
WSW	.8	1.0	.5	.3								2.6	6.4
W	.4	.5	.3									1.3	5.0
NNW		.8										.8	5.0
NW	.7	.5										.8	4.7
NNW	.5	.5										1.7	3.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	9.3	/
TOTAL	2.6	11.2	15.1	15.8								100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS*

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87
MONTH: AUG HOURS(LST): 1800-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND		
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6		1.6									3.3	4.5
NNE		3.3										3.3	5.0
NE		1.6	1.6									3.3	7.0
FNE		3.3										3.3	5.0
E		8.2										8.2	4.8
ESE		1.6										1.6	2.0
SE													
SSE													
S	3.3	3.3										6.6	4.0
SSW		13.1	13.1	8.2								34.4	8.6
SW	1.6	3.3	1.6	1.6								8.2	6.8
WSW													
W	1.6	1.6										3.3	4.0
WNW													
NW													
NNW													
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	24.6	////
TOTALS	9.8	37.7	18.0	9.8								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 61

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFLTAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.4	1.8	.2								5.5	5.8
NNE	.9	3.2	3.2	.6								9.0	6.9
NE	.7	2.0	2.6	.9								6.2	7.3
ENE	.5	1.5	1.2	.4								3.7	6.7
E	1.1	3.0	1.1	.1								5.2	5.4
ESE	.7	1.2	.6									2.5	5.1
SE	.4	.7	.2	.0								1.3	4.9
SSE	.3	.6	.7	.2								1.9	6.7
S	.7	2.9	5.1	2.2								11.0	9.2
SSW	.8	2.7	4.8	2.3								10.6	8.3
SW	1.0	2.6	3.2	1.9								9.7	7.7
WSW	.7	2.1	1.7	.7	.1							5.3	6.9
W	1.7	3.0	.9	.1								5.8	4.9
WNW	.8	1.5	.1									2.3	4.2
NW	.5	1.1	.3									1.9	4.7
NNW	.7	1.3	.5									2.4	4.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	17.6	//////
TOTALS	12.8	31.9	27.8	9.7	.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 2168

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746957 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	4.8	3.6	.6	.6						9.6	4.5
NNE	2.8	4.4	3.8	.6						11.6	5.9
NE	1.8	3.0	1.2	.8						6.8	5.9
FNE	1.0	1.0	.6							2.6	4.8
E	.2	1.0	.4	.4						2.0	6.9
FSE	.6		.6							1.7	4.8
SE		.2								.2	5.0
SSE	.4									.4	2.0
S	.2	.4	.4	.8	.2					2.6	8.2
SSW	1.4	2.0	1.2	.2						4.8	5.5
SW	1.0	1.0	1.6	.4						5.6	5.6
WSW	1.0	1.0	.6	.2						4.0	4.9
W	2.2	1.6	.2							4.0	3.7
WNW	1.2	1.0								2.2	3.4
NW	1.0	2.4	.2							4.0	4.3
NNW	3.4	1.0	.2	.2						4.8	3.2
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	33.7	/
TOTALS	25.1	25.1	11.6	4.2	.2					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 561

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	4.8	4.2	1.1								11.0	7.0
NNE	1.2	4.4	5.9	1.8	.2							13.6	7.5
NE	.7	3.0	7.6	2.8								14.3	8.5
FNE	.4	1.9	3.7	.9								6.9	7.8
E	1.2	2.6	2.3	.2								6.2	6.0
FE	.2	.4	.5									1.1	6.0
SE	.4	.2	.6	.2								1.1	7.5
SSE		.2	.5	.2								.9	8.4
S	.4	1.4	1.6	1.1	.2							4.6	8.8
SSW	.4	.5	1.8	.7								3.4	8.0
SW	.4	1.4	3.9	1.2								6.9	8.4
WSW	.4	1.4	2.8	.4								5.0	7.2
W	1.4	5.7	2.3	.2								9.2	5.5
WNW	.7	2.3	.2									3.2	4.4
NW	.2	2.6	1.2	.2								4.1	6.1
NNW	.4	1.1	.9	.7								3.0	7.1
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.8	/
TOTALS	0.0	35.3	39.8	11.5	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.6	3.9	3.1	1.6					9.2	7.3
NNE	.6	3.5	5.3	5.5					14.9	9.3
NE	.8	3.1	5.7	3.7	.4				13.7	8.8
FNE	.8	1.4	4.5	.4					7.0	7.4
E	.8	2.0	3.7	.4					6.8	7.0
FSE	.4	2.0	.6						2.9	5.3
SF	.7	.7	.2						.6	5.0
SSE	.2	1.2	1.0	.2					2.5	7.4
S	.6	2.7	6.5	2.2	.4				12.3	8.5
SSW	.8	2.3	2.3	.2					5.7	10.4
SW	.4	1.6	2.7	1.6					6.3	8.6
WSW	.6	1.4	2.9	1.0					5.9	7.6
W	.4	2.7	1.2	.4					4.3	6.3
WNW	.8	1.7	.2	.4					2.5	5.2
NW	.4	.4	.6	.4					1.8	6.6
NNW	.4	.4							1.0	5.4
VARIABLE										
CALM									2.5	
TOTALS	7.8	26.0	40.5	20.2	1.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	2.0	1.6	.7							5.8	6.8
NNE	.4	3.3	8.7	3.3							15.6	8.7
NE	1.8	5.1	6.5	6.5	.4						20.4	8.9
ENE	.4	3.3	3.3								6.9	6.7
E		2.2	1.5	.4							4.0	6.0
EESE	1.1	1.1									2.2	3.8
SE	.4										.4	3.0
SSE	.7	1.0									2.2	4.3
S	1.5	7.3	5.0	5.1							19.6	8.0
SSW	.4		6.5	3.3							10.2	10.0
SW	.7	1.1	1.5								3.3	9.8
WSW	.7		.4								1.1	8.0
W		.7	1.5	.4							2.6	8.9
WNW	.4	1.1	.4								1.8	5.8
NW		.7	.7								1.5	6.8
NNW	.7	.4	.7								1.8	5.4
VARIABLE												
CALM											.7	
TOTALS	8.4	10.9	38.2	21.1	.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 275

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79,81-85,87
MONTH: SEP HOURS(LST): 1800-2000

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.8	3.9	2.6	1.0							9.3	6.4
NNE	1.5	3.9	5.5	2.8	.1						13.8	7.8
NE	1.2	3.3	5.1	2.0	.2						12.9	8.3
ENE	.6	1.7	3.0	.4							5.7	7.1
E	.7	1.9	2.0	.3							4.9	6.5
ESE	.5	.8	.5								1.8	5.1
SE	.2	.2	.2	.1							.6	6.2
SSE	.3	.6	.4	.1							1.4	6.5
S	.7	2.4	3.2	1.9	.2						8.4	8.3
SSW	.5	1.0	2.6	1.4	.1						5.5	8.7
SW	.7	1.4	2.6	1.1							5.8	7.9
WSW	.6	1.4	1.8	.5							4.3	6.8
W	1.1	2.8	1.3	.2	.1						5.4	5.6
WNW	.8	1.4	.2	.1							2.5	4.5
NW	.5	1.7	.7	.2							7.0	5.6
NNW	1.2	.7	.4	.3							2.7	4.9
VARIABLE											12.1	//////
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	100.0	6.3
TOTALS	13.1	29.5	32.0	13.3	.5							

TOTAL NUMBER OF OBSERVATIONS: 1882

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746953 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.6	5.0	1.8	.8								11.2	5.1
NNE	1.8	4.2	3.4	1.2	.2							10.8	7.1
NE	1.2	1.8	2.2	1.0	.2							6.4	7.2
ENE	.4	.6	.4	.6								2.0	7.9
E			.4	.2								.6	10.0
ESE	.2	.4										.6	4.7
SE													
SSE			.2	.4								.6	11.0
S	1.2	.6	.2	.4								2.4	5.5
SSW	1.0	1.4	1.0									3.4	5.7
SW	1.6	.4	.8									3.2	4.2
WSW	.4	.6	.8									1.8	5.8
W	1.2	1.6	.4	.2								3.4	5.2
WNW	1.2	1.4	.6									3.2	4.7
NW	2.2	1.6	1.6	.4								5.8	5.4
NNW	1.6	2.0	1.2	.2								5.0	5.2
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	39.6	/
TOTALS	17.6	22.0	15.0	5.4	.4							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 LSAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC											PERIOD OF RECORD: 77-86		
											MONTH: OCT HOURS(LST): 0900-1100		
DIRECTION (DF GRDLES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	3.9	5.5	2.3								13.4	7.4
NNE	1.0	4.2	5.0	3.2	.2							13.5	8.5
NE	.4	2.4	5.2	3.1	.2	.2						11.6	9.3
ENE	.6	1.4	3.2	1.3								6.8	8.4
E	1.1	1.9	1.0	1.4								5.6	7.5
ESE	.5	1.1		.2								1.8	5.0
SE	.7	.7	.3	.2								1.0	6.3
SSE	.5	.3	.5									1.3	5.8
S	.3	1.0	1.1	.8								3.2	7.9
SSW	.7	.6	2.4	.5								3.9	8.3
SW	.2	2.1	1.8	1.1								5.3	7.9
WSW	.7	1.9	1.3	.2								3.5	6.8
W	.6	4.5	1.3	.2								6.6	5.7
WNW	.5	.1	.8	.3								3.7	6.1
NW	1.2	.5	.3	1.0								3.1	6.4
NNW	1.0	1.6	2.1	.6								5.3	7.2
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	10.5	/
TOTALS	11.1	29.6	31.7	16.3	.3	.5						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 621

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 LSAFETAC
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	2.4	4.6	2.4								9.9	8.8
NNE	1.2	3.6	4.6	3.8	.2							13.3	8.4
NE	.9	1.4	4.9	3.9								11.1	9.5
ENE	.7	2.0	2.6	1.9	.3							7.5	8.8
E	.7	3.1	2.9	.7								7.3	6.8
ESE	.5	.7	.7									1.9	5.6
SE	1.0	.7	.5									2.2	4.9
SSW	.2	.5										.9	4.4
S	.5	3.8	4.1	1.4								9.7	7.4
SSW	.3	.7	3.4	1.9								6.3	9.3
SW	.5	1.5	3.2	1.7								7.0	8.4
WSW	.7	.9	1.5	.5								3.1	8.0
W	1.5	1.9	.3									3.8	4.4
WNW	.1	.0	.9	.2								3.6	5.7
NNW	.7	1.4	1.4	.7								7.8	7.1
NNW	.7	1.4	1.9	.5								4.1	8.1
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/		4.6	////
TOTALS	10.1	27.8	37.5	19.5	.5							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 586

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746953 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.6	1.6	1.6							5.1	8.7
NNE	1.2	3.9	7.6	2.1	.5						15.2	8.3
NE	1.4	2.3	4.4	2.5	.2						10.8	8.6
FNE	1.2	3.7	2.1	1.4							8.3	7.1
E	1.8	3.5	2.5								7.8	5.4
FSE	1.2	1.8	.5								7.5	4.7
SE	.7	.2	.2								.7	4.3
SSE	1.4	.7	.2								2.3	3.4
S	1.6	5.1	4.4	2.8							13.8	7.3
SSW	.7	.9	5.3	1.6							8.1	9.0
SW	.2	1.6	2.3	1.2							5.3	8.0
WSW	.7	.5	.5								1.2	6.0
-	.5	.5									.9	3.8
WNW	.9	.7	.5								2.1	4.8
NW	.7	1.2	.2	.7							2.3	7.6
NNW	.5	.2	1.4	1.2							3.2	8.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	9.4	/
TOTALS	12.9	28.3	33.6	15.0	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 434

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	5.9		1.5								7.4	3.2
NNE	5.9	1.5	2.9	4.4							14.7	7.2
NE	1.5	1.5	1.5	1.5							5.9	7.5
FNE	1.5			1.5							2.9	8.5
E	1.5		1.5								2.9	5.5
FSE												
SE												
SSE	1.5										1.5	3.7
S	1.5	1.5									2.9	3.5
SSW	1.5	2.9	2.9	1.5							8.9	7.3
SW	1.5										1.5	2.0
VSW	2.9										2.9	2.0
W												
VNW	1.5										1.5	2.3
NW	1.5		1.5								2.9	6.5
NNW												
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	44.1	//////
TOTALS	27.9	7.4	11.8	8.8							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 68

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										PERIOD OF RECORD: 77-86	MONTH: OCT	HOURS(LST): ALL
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	3.2	3.5	1.8								10.1	7.2
NNE	1.4	3.9	5.0	2.7	.2							13.2	8.1
NE	1.0	1.9	4.2	2.7	.1	.0						10.0	9.9
ENE	.7	1.8	2.1	1.3	.1	.0						6.1	8.1
E	.9	2.0	1.7	.6								5.3	6.7
ESE	.4	1.2	.3	.0								1.8	5.1
SE	.4	.3	.3	.0								1.1	5.6
SSE	.5	.4	.2	.1								1.2	5.1
S	.4	2.4	2.3	1.2								6.8	7.2
SSW	.5	1.0	2.9	1.0								5.4	6.3
SW	.7	1.5	2.0	1.0								5.2	7.5
WSW	.4	1.0	1.0	.2								2.5	6.8
W	1.0	2.2	.5	.1								3.8	5.2
NNW	.8	1.6	.7	.1								3.2	6.4
NW	1.0	1.1	.9	.7								3.7	6.4
NNW	.9	1.3	1.6	.6								4.3	7.1
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	16.3	/
TOTALS	13.2	26.0	29.2	14.2	.5	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 2209

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-47	48-56	GE 56		
N	3.0	3.4	3.0	2.2	.2						11.8	7.0
NNE	1.0	3.7	2.7	2.0							9.4	7.2
NE	1.2	2.0	1.0	.2							4.4	5.4
ENE	1.0	1.2	.5								2.7	5.0
E	.8	.7	.7	.2							2.2	6.6
ESE	.2	.5		.7							1.5	8.7
SE		.2	.2								.5	6.0
SSE	.2	.2	.2								.7	5.7
S	.2	.2	2.5	.5							4.4	7.5
SSW	1.5	1.5	.7	.5							4.2	5.6
SW	1.5	1.5	1.2	1.0							5.2	6.8
LSW	1.7	.5	.2	.7							3.2	5.6
W	1.5	2.5	1.0								4.9	4.7
NNW	1.5	1.7	1.0								4.2	4.6
NW	1.7	2.7	.7								4.7	4.3
NNW	1.5	2.7	1.0	.5							5.7	5.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	30.3	////
TOTALS	18.7	25.4	16.7	8.6	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 406

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

DIRECTION 1 DEGREES	WIND SPEED IN KNOTS										PERIOD OF RECORD: 77-86 MONTH: NOV 1986 SELECTED 0900-1100		
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	4.7	5.2	2.2	.2							13.2	8.0
NNE	.5	4.6	4.6	2.9	.3							13.5	8.4
NE	1.0	3.6	3.6	.5								8.6	6.9
FNE	1.0	1.7	1.7	.8								4.6	7.4
E	.2	2.4	1.4	.3								4.4	6.7
FSE	.5	1.2	1.2									2.9	6.5
SE	.5	.5	.2									1.2	5.1
SSE	.2	.2	.1	.2								1.2	6.6
S	.5	2.0	2.5	2.2	.2							7.8	8.5
SSW	1.0	2.0	1.0	.7								4.7	6.4
SW	.4	1.9	2.2	1.2								6.1	7.9
WSW	1.0	1.5	1.5	1.2	.2							5.4	7.9
W	.2	2.4	1.6	.2								4.6	6.4
NNW	.2	1.4	2.0	.2								3.9	6.8
NW	.7	.4	1.5	1.0								3.7	8.2
NNW	.7	.4	1.5	1.7								4.7	8.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	9.5	11.1
TOTALS	10.0	31.7	32.1	15.2	1.0							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	1.9	5.3	3.6								11.7	9.2
NNE	.7	2.7	4.8	3.6								11.9	8.9
NE	.2	2.4	5.2	1.4	.3							9.6	8.4
ENE	.1	1.4	2.1	.7								4.5	7.8
E		1.0	2.6	1.0								4.6	8.4
ESE	.2	1.2	.5									1.9	6.3
SE		.7	.3	.2								1.0	7.5
SSL	.7	.7	1.4									2.4	6.9
S	.7	4.0	6.9	1.7	.2							13.1	8.3
SW	.7	.9	2.9	2.2	.2							6.5	9.3
SW		.9	2.2	2.6								5.7	9.9
WSW	.7	2.1	2.2	1.7								6.2	8.8
W	.7	1.7	.7	.2								2.9	5.7
WNW		1.5	1.7	.7								4.5	7.0
NW	.9	1.4	1.2	.9								4.3	7.2
NNW	.2	1.7	1.5	1.5								5.0	8.8
<hr/>													
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.3	////
TOTALS	6.1	25.4	41.6	27.0	.7							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 562

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.2	3.6	1.9								9.4	8.1
NNE	1.0	3.6	5.1	2.7								12.3	8.0
NE	1.2	2.9	2.9	1.2								8.2	6.9
FNE	.7	1.2	1.7	.2								3.9	6.5
E	1.0	3.4	1.7									6.3	5.5
FSE	1.0	1.2	.5									2.7	4.2
SE		1.0	.2									1.2	5.0
SSE	.5	.2	.2									1.0	4.8
S	1.7	6.5	5.3	.7	.2							14.5	6.7
SSW	1.4	3.9	3.6	1.7								10.6	7.3
SW	.8	1.0	1.9	1.9								.	9.0
WSW	.7	.7	.7	.7								2.4	8.3
W	1.0	1.9	.5	.7								4.1	6.1
WNW	.7	1.7	.7	.5								3.6	6.5
NW	.7	1.0	1.0	.5								3.6	7.1
NNW	.7	.5	1.0	.5								2.7	6.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	9.4	1.1
TOTALS	13.0	35.0	31.1	17.3	.2							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 415

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-86

MONTH: NOV HOURS(LST): 1PJO-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	3.0	5.0									11.3 6.2
NNE	3.8	2.5	2.5									8.8 4.6
NE	3.8											3.8 2.7
ENE			1.3									1.3 10.0
E	1.3											1.3 2.0
ESE			1.3									1.3 4.0
SE												
SSE												
S	2.5	2.5	1.3	1.3								7.5 6.7
SSW	5.0	2.5	2.5									10.0 4.6
SW	2.5	1.3										3.8 3.7
WSW	1.3	1.3		1.3								3.8 6.3
W	1.3	6.3	1.3									8.8 5.1
NNW		2.5										2.5 5.0
NW	2.5		1.3									3.8 4.3
NNW		1.3										1.3 5.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	/	31.3 / / / /
TOTALS	26.7	25.0	15.0	2.5								100.0 3.5

TOTAL NUMBER OF OBSERVATIONS: 80

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC												PERIOD OF RECORD: 77-86		
												MONTH: NOV HOURS/LST: ALL		
DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL #	MEAN WIND
	N	1.3	3.1	4.5	2.5	.1							11.5	8.1
	NNE	1.0	3.7	4.3	2.7	.1							11.8	8.2
	NE	1.0	2.7	3.2	.8	.1							7.8	7.2
	ENE	.7	1.2	1.5	.5								3.9	7.1
	E	.4	1.8	1.6	.4								4.3	6.8
	ESE	.4	1.1	.6	.1								2.2	6.1
	SE	.1	.5	.2	.1								1.0	5.9
	SSE	.3	.4	.6	.0								1.4	6.4
	S	.9	3.2	4.3	1.4	.1							9.9	7.8
	SSW	1.2	2.0	2.1	1.3	.0							6.5	7.3
	SW	.7	1.3	1.9	1.6								5.5	8.3
	WSW	.3	1.7	1.3	1.2	.0							4.5	7.9
	W	.9	2.2	1.0	.2	.0							4.2	5.7
	WNW	.7	1.6	1.4	.3								4.0	6.3
	NW	1.0	1.2	1.3	.6								4.1	6.7
	UND	.7	1.4	1.3	1.1								4.4	7.7
VARIABLE														
CALM	//////////												12.9	//////
TOTALS	12.1	28.6	30.9	14.9	.6								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 2074

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	4.8	3.6	1.0	.3	.3						12.2	6.6
NNE	.5	2.0	1.3	1.5								5.3	7.9
NE	.7	1.8	.5	.8	.3							3.6	8.0
ENE		.3										.3	4.0
E	.5		.8									1.3	6.2
ESE		.3	.5									.9	6.7
SE	.3											.3	3.0
SSE	.7		.3	.3								.9	7.7
S	2.0	.9	1.3	1.0								5.1	6.5
SSW	2.5	2.5	1.3	.3								6.6	4.8
SW	.5	1.9	2.8	.8								5.9	7.1
WSW	.6	1.6	1.0	.5								4.1	6.1
W	2.7	.8	.8	1.0								4.8	6.1
WNW	2.7	1.0	2.5	.3								5.9	6.1
NNW	1.9	2.3	1.0	1.0								5.9	6.3
NNW	4.1	3.6	1.3	.3	.5							9.7	5.2
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	27.7	////
TOTALS	19.9	23.7	18.8	8.7	1.0	.3						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 393

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N	2.5	4.9	4.7	2.8	.8								15.7	7.9
NNE	.8	3.3	4.9	2.0									11.0	7.8
NE	.7	1.8	2.3	1.5	.3	.2							6.7	8.8
FNE	.2	.8	.3	.2									1.5	6.3
E	.5	1.?	1.0										2.8	5.7
ESE	.3	.3	.7										1.3	6.1
SE	.?	.3											.7	5.5
SSE	.2	.3	.7										.7	6.5
S	1.0	1.8	.8	.8	.3								4.7	7.5
SSW	1.5	2.6	2.5	1.0	.2								7.7	7.1
SW	.5	3.1	3.3	1.5	.2								8.5	7.9
WSW	.5	2.6	2.1	1.8									7.0	8.1
W	1.0	2.3	1.1	.5	.3								5.2	7.1
WNW	.8	1.1	1.6	.7	.3								4.6	8.0
NW	.8	1.5	2.1	1.6									6.1	8.3
NNW	1.6	1.6	1.6	1.3	.3								6.5	7.6
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	/	9.3	/
TOTALS	12.8	29.8	29.5	15.7	2.8	.2							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.7	1.7	3.2	3.3	.3	.7					10.0	9.2
NNE	1.2	2.7	5.0	4.7	.2						13.6	9.1
NE	.7	2.2	2.0	1.8	.2						6.8	8.3
FNE	.2	.9	.8	.2							2.0	6.9
E	1.0	.7	1.0								2.7	5.5
ESE	.7	.7	.3								1.3	5.4
SE	.2	.2	.3								.7	6.0
SSE		.3	.2	.2							.7	8.3
S	.8	2.8	2.0	.5							6.2	6.8
SSW	.7	1.7	4.7	2.8	.5						9.3	10.5
SW		1.7	4.5	4.0	.2						10.3	10.0
WSW	.5	1.5	3.2	2.3	.2						7.7	9.2
S	1.0	2.4	2.7	.3							7.3	6.0
WNW	.7	1.0	1.7	.8							4.3	8.0
NNW	.7	1.4	2.0	.8							4.7	7.8
NNW	1.2	1.5	2.8	2.5	.3						8.3	9.2
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	4.2	/
TOTALS	10.0	22.9	36.3	24.3	1.8	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 601

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	1.2	5.4	3.1							10.6	8.8
NNE	2.1	2.6	5.4	3.1	.5						13.7	6.2
NE	.9	2.1	1.9	1.7							6.6	7.5
ENE	.7	.9	1.2	.2							3.1	6.4
E	.5	.2	.2								.9	4.8
ESE		.2		.2							.5	9.5
SE	.5	.2									.7	3.3
SSE	.5	.2	.2	.2							1.2	5.8
S	2.1	4.2	3.3	.9							10.6	6.6
SSW	.9	4.5	4.7	1.7	.5	.2					12.5	7.9
SW	.7	2.4	3.5	1.2							7.3	8.1
WSW	.7	1.4	2.1								4.2	6.1
W	1.7	1.4	1.9	.7							5.7	6.4
NNW	.7	1.2	1.9	.5							4.2	7.1
NW	.7	.5	1.9	.9							4.0	8.4
NNW	.9	1.4	3.3	.9							6.6	7.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	7.5	/
TOTALS	14.2	24.0	37.0	15.3	.9	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 75-86
MONTH: DEC HOURS(LST): 1800-2030

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.9	4.3	1.4	1.4							10.1	6.3
NNE	5.8	2.9	2.9	1.4							13.0	5.6
NE	1.4	1.4			1.4						4.3	6.0
ENE												
E		1.4				1.4					2.9	7.0
ESE												
SE												
SSE												
S		2.9	2.9								5.8	6.0
SSW	2.9	8.7	4.3				1.4				17.4	6.9
SW	1.4	2.9									4.3	4.0
WSW	1.4	1.4	1.4								4.3	5.0
W			4.3								4.3	4.7
NNW		1.4									1.4	2.0
NW		1.4			1.4						2.9	7.5
NNW		1.4									1.4	2.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	27.5	/
TOTALS	21.7	29.0	13.0	7.2			1.4				100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 69

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.9	3.1	4.1	2.6	.4	.1					12.2	8.1
NNE	1.7	2.7	4.3	2.9	.1						11.3	8.3
NE	.7	2.0	1.7	1.5	.2	.0					6.1	8.2
FNE	.1	.7	.6	.1							1.7	6.5
E	.7	.6	.8	.0							2.1	5.7
FSE	.2	.4	.4	.0							1.0	6.1
SE	.2	.2	.2								.6	4.9
SSF	.2	.2	.1	.2							.8	6.9
S	1.7	2.4	1.8	.8	.1						6.4	6.8
SSW	1.3	2.7	3.4	1.5	.3	.1					9.2	8.0
SW	.7	2.3	3.5	2.0	.1						8.2	8.5
WSW	.6	1.9	2.2	1.3	.0						6.0	7.9
W	1.6	2.0	1.6	.6	.1						5.8	6.4
WNW	1.0	1.1	1.8	.6	.1						4.6	7.3
NW	.8	1.4	1.8	1.1							5.1	7.7
NNW	1.9	1.9	2.2	1.3	.3						7.5	7.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	11.5	/
TOTALS	14.1	25.5	30.4	16.5	1.7	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 2098

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.7	2.7	3.6	1.8	.2	.1	.0				9.7	8.0
NNE	.9	2.7	4.2	2.1	.2	.0					10.1	8.3
NE	.7	1.9	2.8	1.3	.1	.0	.0				6.8	8.0
ENE	.5	1.4	1.7	.6	.0	.0					4.2	7.5
E	.7	1.9	1.6	.4	.0	.0					4.5	6.5
ESE	.5	1.0	.8	.1							2.3	6.1
SE	.2	.5	.3	.1	.0						1.1	5.9
SSE	.2	.5	.5	.2	.0	.0					1.6	6.8
S	.7	2.4	3.7	1.9	.2	.0					8.8	8.4
SSW	.9	1.8	3.1	2.5	.4	.1	.0				8.5	9.3
SW	.5	1.7	2.7	1.7	.2	.1	.0				7.0	8.9
WSW	.6	1.4	1.8	1.0	.1	.0	.0				4.9	8.1
W	1.2	2.2	1.5	.6	.0	.0					5.5	6.4
WNW	.7	1.6	1.2	.5	.1	.0	.0				4.3	6.7
NW	.7	1.3	1.3	.7	.1	.0	.0				4.1	7.4
NNW	.9	1.5	1.6	1.0	.1	.0	.0				5.1	7.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	11.3	/
TOTALS	11.7	26.4	32.4	16.5	1.6	.4	.1	.0			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 25960

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFAETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	3.5	6.1	3.1	.3	.1	.1					14.6	8.6
NNE	1.1	3.4	5.8	3.9	.5	.2						14.0	8.9
NE	.9	2.0	2.4	1.2	.2	.0	.0					5.8	7.9
ENE	.5	1.0	1.7	1.0	.1							4.4	8.5
E	.2	1.0	1.0	.5	.0							2.8	7.4
ESE	.2	.5	.9	.3								2.0	7.9
SE	.2	.3	.4	.2	.0							1.2	7.5
SSE	.1	.5	.4	.3	.0	.0						1.5	8.5
S	.6	1.3	1.8	1.7	.3							5.8	9.2
SSW	.5	1.1	1.7	1.2	.6	.1						5.5	9.4
SW	.4	1.2	1.7	.9	.1							4.2	8.2
WSW	.5	.9	1.2	.3	.1	.0						3.1	7.4
W	1.2	1.7	.8	.4	.1	.0						4.2	6.5
WNW	1.0	1.7	1.0	.2	.0	.0						3.5	6.0
NW	.7	1.7	1.1	.5	.1							4.1	6.7
NNW	1.0	1.4	2.0	1.1	.3	.1	.0					5.9	8.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	16.7	//////
TOTALS	11.0	22.8	30.0	16.0	2.8	.7	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 3146

PPPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PPPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PP	AA	RR	TT	DD
PP	AA	RR	TT	DD
PPPPPPPPPP	AA	RRRRRRRR	TT	DD
PPPPPPPPPF	AA AAAAAAAA	RRRRRRRR	TT	DD
PP	AA AAAAAAAA	RR	TT	DD
PP	AA	RR	TT	DD
PF	AA	RR	TT	DD
PF	AA	RR	TT	DD
PF	AA	RR	TT	DDDDDDDD
PF	AA	RR	TT	DDDDDDDD

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1958, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER. HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1 6	GE 5 4	GE 3 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CESTL	46.5	48.9	50.6	51.6	52.3	53.0	54.0	54.6	54.5	54.7	54.7	55.2	55.5	56.0		
GE 20000	45.1	52.1	53.8	55.2	56.0	56.7	57.7	58.2	58.4	58.9	58.9	59.1	59.6			
GE 18000	46.4	52.3	54.0	55.5	56.2	56.9	57.9	58.4	58.6	58.6	59.1	59.4	59.9			
GE 16000	45.6	52.6	54.3	55.7	56.4	57.2	58.2	58.6	58.9	58.9	59.4	59.6	60.1			
GE 14000	50.4	53.3	55.0	56.4	57.2	57.9	58.9	59.4	59.6	59.6	60.1	60.3	60.8			
GE 12000	51.6	54.7	56.7	58.2	58.9	59.6	60.6	61.1	61.3	61.9	61.8	62.0	62.5			
GE 10000	52.8	56.7	58.6	60.1	60.8	61.6	62.5	62.5	63.0	63.3	63.7	64.0	64.5			
GE 9000	53.0	56.9	58.9	60.6	61.3	62.0	63.0	63.0	63.5	63.7	64.2	64.5	65.0			
GE 8000	54.7	59.1	61.1	62.8	63.5	64.2	65.2	65.2	65.7	65.9	66.4	66.7	67.2			
GE 7000	55.7	61.3	62.6	64.2	65.0	65.9	66.9	67.4	67.6	68.1	68.4	69.1	69.4			
GE 6000	56.4	61.1	63.3	65.2	65.9	66.9	67.9	67.9	68.4	68.6	69.1	69.3	70.1			
GE 5000	57.7	62.3	64.5	66.4	67.4	68.4	69.6	69.6	70.1	70.3	70.3	70.8	71.0	71.8		
GE 4500	57.7	62.3	64.5	66.4	67.4	68.4	69.6	69.6	70.1	70.3	70.3	70.8	71.0	71.8		
GE 4000	55.4	64.6	66.2	68.4	69.3	70.6	72.3	72.3	72.7	73.0	73.5	73.7	74.5			
GE 3500	55.9	64.5	66.7	68.9	69.6	71.3	73.0	73.0	73.5	73.7	74.2	74.5	75.2			
GE 3000	60.7	65.2	67.6	69.8	70.8	72.5	74.2	74.2	74.7	74.9	75.4	75.7	76.4			
GE 2500	60.6	65.7	68.1	70.8	71.8	73.5	75.2	75.2	75.7	75.9	76.4	76.6	77.4			
GE 2000	52.1	68.4	71.0	74.7	75.7	77.4	79.1	79.1	79.6	79.8	80.3	80.5	81.3			
GE 1800	62.0	68.4	71.0	74.7	75.7	77.4	79.1	79.1	79.6	79.8	80.3	80.5	81.3			
GE 1700	62.5	68.9	71.8	76.2	77.1	79.8	81.8	81.8	82.5	82.7	83.2	83.5	84.2			
GE 1200	53.0	69.6	72.5	77.4	78.3	81.0	83.0	83.0	83.7	84.0	84.4	84.7	85.4			
GE 1100	63.3	71.5	74.5	79.6	80.5	83.5	85.6	85.6	86.4	86.6	86.6	87.1	87.3	88.1		
GE 900	63.3	71.8	74.7	80.0	81.0	83.9	86.1	86.1	86.9	87.1	87.1	87.6	87.8	88.6		
GE 800	63.7	72.7	75.7	81.3	82.7	85.6	87.8	87.8	89.1	89.3	89.3	89.9	89.9	90.0	90.7	
GE 700	63.7	72.7	75.7	81.3	82.7	85.6	88.1	88.1	89.3	89.8	89.8	90.3	90.3	90.9	91.4	
GE 600	63.7	72.7	75.9	81.5	83.5	86.6	89.1	89.1	90.3	91.0	91.0	91.5	91.5	91.7		
GE 500	64.2	73.2	76.4	83.2	85.2	88.6	91.5	91.5	93.4	94.6	94.6	95.1	95.1	95.4		
GE 400	64.2	73.2	76.4	83.2	85.2	89.1	92.0	92.0	94.4	95.6	95.6	96.1	96.1	96.4		
GE 300	64.2	73.2	76.4	83.7	85.6	89.5	93.2	93.2	95.6	97.1	97.1	99.1	99.1	99.1		
GE 200	64.2	73.2	76.4	83.7	85.6	89.5	93.2	93.2	95.6	97.1	97.1	98.1	98.1	98.1		
GE 100	64.2	73.2	76.4	83.7	85.6	89.5	93.2	93.2	95.6	97.1	97.1	98.1	98.1	98.1		
GE 0	64.2	73.2	76.4	83.7	85.6	89.5	93.2	93.2	95.6	97.1	97.1	98.1	98.1	98.1		

TOTAL NUMBER OF OBSERVATIONS: 411

AD-A190 726

DARE COUNTY GUNNERY RANGE NORTH CAROLINA LIMITED
SURFACE OBSERVATIONS CLT. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JAN 88

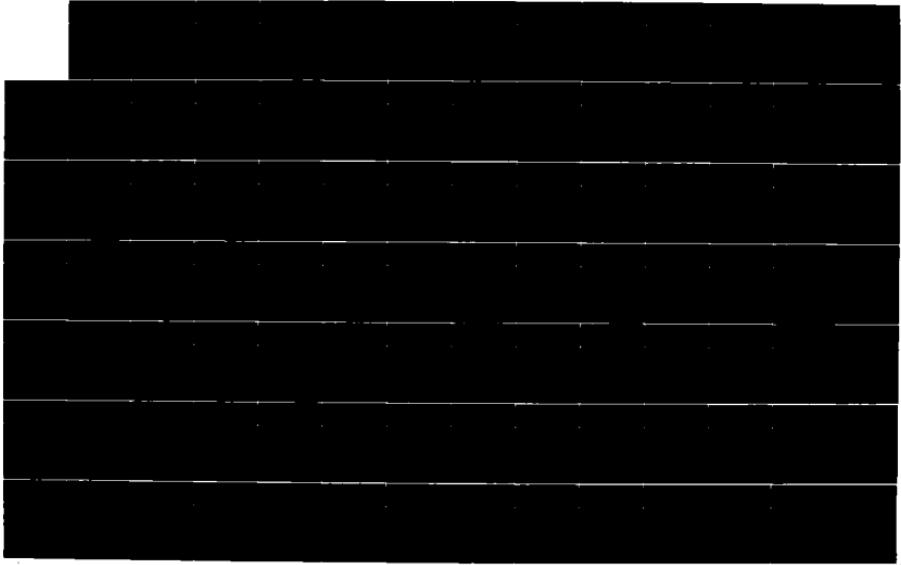
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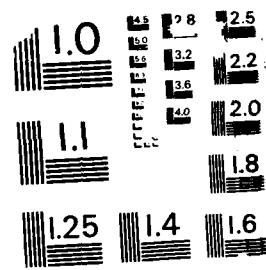
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEIL	50.2	52.7	53.2	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 20000	54.0	57.0	57.5	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 18000	54.4	57.5	57.9	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 16000	54.4	57.5	57.9	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	55.9	59.0	59.5	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 12000	57.0	60.2	60.6	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 10000	58.7	62.9	63.3	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 9000	58.9	63.0	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	60.6	65.2	65.9	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	61.6	66.2	66.8	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 6000	62.5	68.3	69.4	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	64.1	70.2	71.3	72.2	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	64.1	70.2	71.3	72.2	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	64.8	70.8	71.9	72.9	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500	64.9	71.1	72.2	73.5	74.1	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3000	66.0	72.9	74.1	75.6	76.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 2500	67.8	74.8	76.2	77.8	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	68.9	76.7	78.1	79.7	80.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	69.0	76.8	78.3	79.8	80.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1500	69.5	78.1	79.8	81.9	83.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1200	69.5	78.6	80.3	82.4	83.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1000	70.8	80.0	81.9	84.3	85.6	87.3	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 900	71.0	80.2	82.1	84.6	86.0	87.8	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 800	71.4	81.1	82.9	85.6	87.0	88.9	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 700	71.6	81.1	83.2	85.9	87.6	89.8	90.8	90.8	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 600	71.6	81.1	83.2	86.3	88.3	90.6	91.6	91.6	91.7	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 500	72.2	82.1	84.3	88.1	90.0	92.7	94.3	94.4	94.4	96.0	96.7	96.7	97.0	97.1	97.1	97.1	97.1	97.1
GE 400	72.2	82.1	84.4	88.3	90.3	93.0	95.1	95.2	95.2	97.0	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1
GE 300	72.2	82.1	84.6	88.4	90.5	93.2	95.6	95.7	95.7	97.6	99.6	99.6	99.0	99.2	99.2	99.2	99.2	99.2
GE 200	72.2	82.1	84.6	88.4	90.6	93.3	95.9	96.0	96.0	97.9	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5
GE 100	72.2	82.1	84.6	88.4	90.6	93.3	95.9	96.0	97.9	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	72.2	82.1	84.6	88.4	90.6	93.3	95.9	96.0	97.9	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC												PERIOD OF RECORD: 78-87												
CEILING	IN	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	MONTH: JAN HOURS(LST): 1200-1400						
FEET																								
NO CEIL	1	51.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	
GE 20000	1	56.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
GE 18000	1	59.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	
GE 16000	1	59.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	
GE 14000	1	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	
GE 12000	1	61.1	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 10000	1	64.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	
GE 9000	1	64.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 8000	1	67.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
GE 7000	1	68.5	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
GE 6000	1	69.4	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 5000	1	70.8	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
GE 4000	1	70.8	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 4000	1	71.5	74.6	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
GE 3500	1	72.0	76.1	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
GE 3000	1	74.1	78.3	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	
GE 2500	1	74.8	79.1	79.9	80.6	80.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
GE 2000	1	75.6	80.1	80.9	81.5	81.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 1800	1	75.6	80.2	81.1	81.7	81.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 1500	1	76.1	82.2	83.0	84.0	84.2	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	
GE 1200	1	76.1	82.2	83.4	84.5	84.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
GE 1000	1	76.3	82.4	83.9	85.3	85.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
GE 900	1	76.3	82.4	84.2	85.7	86.2	88.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
GE 800	1	76.3	82.5	84.3	86.0	86.5	89.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
GE 700	1	76.3	82.5	84.3	86.2	86.8	89.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 600	1	76.4	82.9	84.7	86.5	87.3	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
GE 500	1	76.8	83.4	85.8	88.0	88.8	92.4	95.2	95.2	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 400	1	76.8	83.4	86.0	88.1	89.0	92.6	95.9	95.9	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 300	1	76.9	83.5	86.3	88.5	89.5	93.7	97.2	97.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 200	1	76.9	83.5	86.3	88.5	89.5	93.7	97.2	97.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 100	1	76.9	83.5	86.3	88.5	89.5	93.7	97.2	97.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 0	1	76.9	83.5	86.3	88.5	89.5	93.7	97.2	97.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS: 607

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1 1/2	GE 2	1 1/2	1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	56.1	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 20000	62.6	64.6	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 18000	62.8	64.9	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	62.8	64.9	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 14000	63.1	65.1	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 12000	66.4	68.5	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 10000	69.1	71.6	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 9000	69.6	72.1	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 8000	71.8	75.0	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	73.2	76.4	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 6000	73.4	76.8	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 5000	75.0	78.6	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4500	75.2	79.1	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 4000	75.7	79.7	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3500	77.0	81.5	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3000	77.9	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	80.6	85.6	86.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2000	80.6	85.6	87.2	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1800	80.9	85.8	87.4	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1500	81.5	86.5	88.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	81.8	86.7	89.2	90.5	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1000	91.8	86.7	89.2	91.0	91.0	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	81.8	86.7	89.2	91.0	91.0	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 800	81.8	86.9	89.6	91.4	91.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 700	81.8	86.9	89.6	91.9	92.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	81.8	86.9	89.6	91.9	92.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	82.9	88.1	91.4	94.1	94.4	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	82.9	88.1	91.4	94.1	94.4	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	92.9	88.1	91.4	94.1	94.4	97.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 200	92.9	88.1	91.4	94.1	94.4	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	92.9	88.1	91.4	94.1	94.4	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 0	82.9	88.1	91.4	94.1	94.4	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 444

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87

MONTH: JAN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1 1/2	2	1 1/2	1 1/4	1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	64.4	67.1	68.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 20000		71.2	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 18000		71.2	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 16000		71.2	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 14000		71.2	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 12000		75.3	78.1	79.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 10000		86.8	83.6	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 9000		86.8	83.6	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 8000		86.8	83.6	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000		96.8	83.6	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 6000		86.8	83.6	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000		82.2	84.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 4500		82.2	84.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 4000		92.2	84.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500		82.2	84.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000		93.6	87.7	90.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2500		94.9	89.0	91.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000		84.9	89.0	91.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800		94.9	89.0	91.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1700		84.9	89.0	93.2	94.5	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200		84.9	89.0	93.2	94.5	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000		84.9	89.0	93.2	94.5	94.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900		84.9	89.0	93.2	94.5	94.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800		96.3	90.4	94.5	95.9	95.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700		96.3	90.4	94.5	95.9	95.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600		86.3	90.4	94.5	95.9	95.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500		86.3	90.4	94.5	95.9	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		86.3	90.4	94.5	95.9	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		96.3	90.4	94.5	95.9	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		86.3	90.4	94.5	95.9	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		86.3	90.4	94.5	95.9	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		86.3	90.4	94.5	95.9	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 73

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/4	5/8	1/2	5/16	GE 1/4	GE 0
NO CEIL	51.5	53.5	54.1	54.5	54.7	54.8	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.4	
GE 20000	56.7	59.0	59.6	60.2	60.4	60.6	60.7	60.7	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.1
GE 18000	57.3	59.6	60.2	60.7	61.0	61.1	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.6	61.7	
GE 16000	57.3	59.6	60.2	60.8	61.0	61.2	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.6	61.7	
GE 14000	58.0	60.5	61.1	61.6	61.8	62.0	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5	
GE 12000	59.7	62.2	62.8	63.4	63.6	63.7	63.9	63.9	64.0	64.1	64.2	64.2	64.2	64.2	64.3	
GE 10000	62.0	65.2	65.9	66.4	66.7	66.8	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.3	67.3	
GE 9000	62.3	65.4	66.1	66.7	66.9	67.1	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.6	67.6	
GE 8000	64.4	68.0	68.7	69.3	69.6	69.7	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.2	70.3	
GE 7000	65.5	69.1	69.9	70.5	70.8	70.9	71.1	71.1	71.2	71.3	71.3	71.4	71.4	71.4	71.5	
GE 6000	66.1	70.2	71.1	71.8	72.1	72.2	72.4	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.8	
GE 5000	67.6	71.8	72.9	73.7	74.0	74.2	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.9
GE 4500	67.7	72.0	73.1	73.9	74.2	74.4	74.6	74.6	74.7	74.8	74.8	74.9	74.9	74.9	75.1	
GE 4000	68.5	72.9	74.0	74.9	75.2	75.5	75.8	75.8	75.9	75.9	76.0	76.0	76.1	76.1	76.2	
GE 3500	69.0	73.9	75.2	76.1	76.5	77.0	77.3	77.3	77.4	77.5	77.6	77.6	77.6	77.7	77.7	
GE 3000	70.3	75.4	76.8	77.9	78.2	79.0	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.6	79.7	
GE 2500	71.6	77.0	78.4	79.8	80.2	81.1	81.4	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.8	
GE 2000	72.4	78.3	79.9	81.4	81.8	82.9	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.6	
GE 1800	72.5	78.4	80.0	81.6	82.0	83.0	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.8	
GE 1500	73.0	79.6	81.5	83.5	84.1	85.5	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.3	86.4	
GE 1200	73.2	79.9	81.9	84.1	84.7	86.2	86.7	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.2	
GE 1000	73.6	80.7	82.9	85.4	86.1	88.1	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.4	
GE 900	73.7	80.8	83.1	85.7	86.4	88.4	89.3	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.8	
GE 800	73.9	81.4	83.7	86.4	87.3	89.6	90.7	90.7	91.0	91.0	91.0	91.1	91.1	91.2	91.3	
GE 700	74.0	81.4	83.8	86.7	87.7	90.2	91.5	91.6	91.9	92.1	92.2	92.2	92.2	92.2	92.4	
GE 600	74.0	81.5	83.9	86.9	88.1	90.8	92.1	92.2	92.6	92.9	93.0	93.1	93.1	93.3	93.3	
GE 500	74.6	82.3	85.0	88.6	89.8	92.9	94.8	94.9	96.2	96.7	96.9	97.0	97.0	97.1	97.1	
GE 400	74.6	82.3	85.1	88.7	90.0	93.2	95.3	95.4	96.4	97.4	97.6	97.6	97.6	97.7	97.8	
GE 300	74.7	82.3	85.3	89.0	90.3	93.7	96.3	96.3	97.9	98.6	98.6	99.0	99.0	99.1	99.2	
GE 200	74.7	82.3	85.3	89.0	90.3	93.8	96.4	96.4	98.1	98.8	98.8	99.4	99.4	99.6	99.7	
GE 100	74.7	82.3	85.3	89.0	90.3	93.8	96.4	96.4	98.1	98.8	98.8	99.4	99.5	99.6	99.7	
GE 61	74.7	82.3	85.3	89.0	90.3	93.8	96.4	96.4	98.1	98.8	98.8	99.4	99.5	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2165

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 0600-0800

NO CEIL	VISIBILITY IN STATUTE MILES																		
	IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1	1/2	1	1/4	1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
GE 20000	37.0	40.2	43.6	46.2	46.2	47.1	48.0	48.0	48.3	48.3	48.3	48.3	48.6	48.8	50.3	52.3			
GE 18000	37.0	40.2	43.6	46.2	46.2	47.1	48.0	48.0	48.3	48.3	48.3	48.3	48.6	48.8	50.3	52.3			
GE 16000	37.0	40.2	43.6	46.2	46.2	47.1	48.0	48.0	48.3	48.3	48.3	48.3	48.6	48.8	50.3	52.3			
GE 14000	38.4	41.6	45.1	47.7	47.7	48.6	49.4	49.4	49.7	49.7	49.7	49.7	50.0	50.3	51.7	53.8			
GE 12000	40.2	43.4	47.1	50.3	50.3	51.2	52.0	52.0	52.3	52.3	52.3	52.3	52.6	52.9	54.3	56.4			
GE 10000	43.9	47.4	51.2	54.6	54.6	55.5	56.4	56.4	56.6	56.6	56.6	56.6	56.9	57.2	58.7	61.7			
GE 9000	44.2	47.7	51.4	54.9	54.9	55.8	56.6	56.6	56.9	56.9	56.9	56.9	57.2	57.5	59.0	61.0			
GE 8000	46.0	50.3	54.3	58.1	58.1	59.0	59.8	59.8	60.1	60.1	60.1	60.1	60.4	60.7	62.1	64.2			
GE 7000	46.2	50.9	54.9	58.7	58.7	59.5	60.4	60.4	61.0	61.0	61.0	61.0	61.3	61.6	63.0	65.0			
GE 6000	46.8	52.0	56.1	59.8	59.8	60.7	61.6	61.6	62.1	62.1	62.1	62.1	62.4	62.7	64.2	66.2			
GE 5000	48.3	53.5	57.8	62.1	62.1	63.0	63.9	63.9	64.5	64.5	64.5	64.5	64.7	65.0	66.5	68.5			
GE 4500	48.3	53.5	57.8	62.1	62.1	63.0	63.9	63.9	64.5	64.5	64.5	64.5	64.7	65.0	66.5	68.5			
GE 4000	49.4	54.9	59.5	63.9	63.9	64.7	65.6	65.6	66.2	66.2	66.2	66.2	66.5	66.8	68.2	70.2			
GE 3500	50.0	56.1	60.7	65.0	65.0	65.9	66.8	66.8	67.3	67.3	67.3	67.3	67.6	67.9	69.4	71.4			
GE 3000	51.2	57.8	62.7	67.6	67.6	68.5	69.4	69.4	69.9	69.9	69.9	69.9	70.2	70.5	72.0	74.0			
GE 2500	52.3	59.2	64.2	69.4	69.4	70.5	71.4	71.4	72.0	72.0	72.0	72.0	72.5	72.8	74.6	76.9			
GE 2000	52.9	61.3	66.2	71.4	71.4	72.8	73.7	73.7	74.3	74.3	74.3	74.3	74.9	75.1	76.9	79.2			
GE 1800	52.9	61.3	66.2	71.4	71.4	72.8	73.7	73.7	74.3	74.3	74.3	74.3	74.9	75.1	76.9	79.2			
GE 1500	52.9	61.3	66.5	72.8	72.8	74.9	76.0	76.0	77.2	77.2	77.2	77.2	77.7	78.0	79.8	82.1			
GE 1200	52.9	61.3	66.5	73.1	73.1	75.1	76.3	76.3	78.0	78.0	78.0	78.0	78.6	78.9	80.6	82.9			
GE 1000	54.0	62.4	67.9	74.9	74.9	77.2	78.3	78.3	80.1	80.1	80.1	80.1	80.9	81.2	82.9	85.3			
GE 900	54.0	62.4	67.9	74.9	74.9	77.2	78.3	78.3	80.3	80.3	80.3	80.3	81.2	81.5	83.2	85.5			
GE 800	54.0	62.4	67.9	74.9	74.9	78.3	79.8	79.8	82.1	82.1	82.1	82.1	82.9	83.2	85.0	87.3			
GE 700	54.0	62.4	67.9	74.9	75.1	78.6	80.1	80.1	82.9	82.9	82.9	82.9	83.8	84.1	85.8	88.2			
GE 600	54.0	62.4	67.9	74.9	75.1	79.5	81.2	81.2	84.4	84.4	84.4	84.4	85.3	85.5	87.3	89.6			
GE 500	54.6	63.0	68.5	75.7	76.0	80.6	82.4	82.4	85.5	85.5	85.5	85.5	86.4	86.7	88.4	90.8			
GE 400	54.6	63.0	68.5	76.6	76.9	81.5	83.8	83.8	87.3	87.3	87.3	87.3	88.4	88.7	91.3	93.6			
GE 300	54.6	63.0	68.8	77.2	77.5	82.7	86.1	86.1	89.9	89.9	89.9	89.9	91.3	91.6	94.2	96.8			
GE 200	54.6	63.0	68.8	77.2	77.5	82.7	86.1	86.1	90.2	90.2	90.2	90.2	91.6	91.9	94.8	99.0			
GE 100	54.6	63.0	68.8	77.2	77.5	82.7	86.1	86.1	90.2	90.2	90.2	90.2	91.6	91.9	94.8	99.0			
GE 0	54.6	63.0	68.8	77.2	77.5	82.7	86.1	86.1	90.2	90.2	90.2	90.2	91.6	91.9	94.8	100.0			

TOTAL NUMBER OF OBSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1 1/4	GE 0
NO CEIL	43.9	46.8	47.1	47.3	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.7	47.7	47.7	47.7
GE 20000	48.4	51.4	51.8	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9
GE 18000	49.6	52.7	53.2	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	54.3	54.3	54.3	54.3
GE 16000	49.6	52.7	53.2	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	54.3	54.3	54.3	54.3
GE 14000	50.0	53.0	53.6	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.7	54.7	54.7	54.7
GE 12000	50.7	54.1	54.7	55.0	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.7	55.7	55.7	55.7
GE 10000	53.0	57.2	57.7	58.4	58.4	58.6	58.6	58.8	58.8	58.8	58.8	58.8	59.3	59.3	59.3	59.3
GE 9000	53.9	58.2	58.8	59.5	59.5	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.4	60.4	60.4	60.4
GE 8000	57.9	62.7	63.8	64.7	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8
GE 7000	59.0	64.0	65.1	66.1	66.1	66.5	66.7	66.7	66.7	66.7	66.7	66.7	67.2	67.2	67.2	67.2
GE 6000	59.3	64.5	65.6	66.7	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.7	67.7	67.7	67.7
GE 5000	61.1	66.3	67.6	68.6	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.7	69.7	69.7	69.7
GE 4500	61.1	66.3	67.6	68.6	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.7	69.7	69.7	69.7
GE 4000	62.7	68.3	69.7	71.0	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0
GE 3500	64.0	69.5	71.1	72.8	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.8	73.8	73.8	73.8
GE 3000	65.9	71.7	73.7	75.3	75.4	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.7	76.7	76.7	76.7
GE 2500	66.3	72.2	74.2	75.8	76.0	76.7	77.1	77.1	77.1	77.1	77.1	77.1	78.0	78.0	78.0	78.0
GE 2000	67.9	74.7	76.7	78.7	78.9	79.6	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1
GE 1800	68.3	75.1	77.1	79.0	79.2	79.9	80.3	80.3	80.3	80.3	80.3	80.3	81.4	81.4	81.4	81.4
GE 1500	68.8	76.3	78.7	80.6	80.8	82.1	82.4	82.4	82.4	82.4	82.4	82.4	83.7	83.7	83.7	83.7
GE 1200	69.0	76.5	79.0	81.4	81.5	82.8	83.2	83.2	83.2	83.2	83.2	83.5	84.4	84.4	84.4	84.4
GE 1000	69.5	77.6	80.1	83.0	83.2	84.8	85.5	85.5	85.5	85.5	85.5	85.8	86.9	86.9	86.9	86.9
GE 900	69.5	78.0	80.5	83.5	83.7	85.3	86.0	86.0	86.0	86.0	86.0	86.4	87.5	87.5	87.5	87.5
GE 800	69.7	78.1	80.8	83.9	84.2	86.2	87.1	87.1	87.1	87.1	87.1	87.6	88.7	88.7	88.7	88.7
GE 700	69.7	78.1	81.7	84.9	85.3	88.0	88.9	88.9	88.9	88.9	88.9	89.4	90.5	90.7	91.0	91.0
GE 600	69.7	78.1	82.3	86.0	86.6	89.8	90.7	90.7	90.7	90.7	90.7	91.6	92.7	92.8	93.2	93.2
GE 500	69.9	78.5	83.0	87.8	88.4	91.8	92.7	92.7	93.7	94.1	94.1	95.2	95.3	95.7	95.7	95.7
GE 400	69.9	78.5	83.2	88.0	88.5	91.9	92.8	92.8	93.9	94.3	94.3	95.3	95.5	96.2	96.2	96.2
GE 300	69.9	78.7	83.5	88.7	89.4	93.0	94.6	94.6	95.7	96.1	96.1	97.7	97.8	98.6	98.6	98.6
GE 200	69.9	78.7	83.5	88.7	89.4	93.0	94.6	94.6	95.7	96.1	96.1	97.7	98.2	99.5	99.5	99.5
GE 100	69.9	78.7	83.5	88.7	89.4	93.0	94.6	94.6	95.7	96.1	96.1	97.7	98.6	99.8	100.0	100.0
GE 0	69.9	78.7	83.5	88.7	89.4	93.0	94.6	94.6	95.7	96.1	96.1	97.7	98.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	50.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 18000	51.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 16000	51.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	52.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	54.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 10000	57.0	59.3	59.5	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	57.3	59.6	59.8	59.8	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 8000	60.0	62.9	63.2	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 7000	61.1	63.9	64.3	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 6000	62.1	65.0	65.4	66.1	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 5000	63.0	66.3	66.8	67.5	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 4500	63.4	67.0	67.5	68.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000	64.8	68.9	69.5	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 3500	67.1	71.4	72.0	72.9	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 3000	70.5	75.4	75.9	77.0	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 2500	71.8	76.8	77.3	79.1	79.3	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 2000	72.7	78.4	79.5	81.3	81.4	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1800	72.7	78.4	79.5	81.4	81.6	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1500	74.5	81.1	82.1	84.1	84.3	85.5	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1200	74.8	81.8	83.0	85.0	85.2	86.4	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1000	74.8	82.3	83.9	86.3	86.4	88.2	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 900	74.8	82.9	84.5	86.8	87.0	89.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 800	75.2	83.2	85.0	87.3	87.7	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 700	75.2	83.8	85.7	88.0	88.4	91.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 600	75.2	84.1	86.1	88.6	88.9	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 500	76.1	85.9	89.1	92.1	92.7	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	76.1	85.9	89.1	92.1	92.7	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	76.1	85.9	89.3	92.5	93.0	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	76.1	85.9	89.3	92.5	93.0	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 100	76.1	85.9	89.3	92.5	93.2	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 71	76.1	85.9	89.3	92.5	93.2	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS: 560

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1500-1700

NO CEIL	VISIBILITY IN STATUTE MILES																	
	IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	1 1/2	1 1/4	GE 1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE 0	48.4	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 20000	57.6	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	58.3	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	58.3	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	58.8	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 12000	61.9	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 10000	66.9	68.8	69.5	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 9000	66.9	68.8	69.5	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 8000	69.8	72.2	72.9	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 7000	70.7	73.1	74.6	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 6000	71.0	73.6	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 5000	72.7	75.8	77.2	77.2	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4500	73.6	76.7	78.2	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4000	74.8	77.9	79.4	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3500	76.0	79.4	80.8	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3000	77.2	82.8	82.5	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	78.7	82.7	84.4	84.7	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2000	80.3	84.4	86.1	86.6	86.8	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	80.3	84.4	86.1	86.6	86.8	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	80.8	84.9	86.6	87.3	87.8	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1200	81.5	85.6	87.3	88.0	88.5	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	82.3	86.8	89.2	90.4	90.9	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 900	82.3	87.1	89.4	90.6	91.1	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 800	83.0	87.8	90.4	92.3	92.8	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	83.0	88.2	90.9	92.8	93.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	83.0	88.2	91.4	93.3	93.8	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 500	83.5	88.7	92.3	95.0	95.4	96.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	83.5	88.7	92.3	95.0	95.4	96.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	83.5	88.7	92.3	95.2	95.7	96.9	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	83.5	88.7	92.3	95.2	95.7	96.9	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 100	83.5	88.7	92.3	95.2	95.7	96.9	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 0	83.5	88.7	92.3	95.2	95.7	96.9	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87

MONTH: FEB HOURS(LST): 1800-2000

CEILING	IN FEET	VISIBILITY IN STATUTE MILES																	
		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	1.1	55.3	56.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
GE 20000	1.1	60.6	61.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	
GE 18000	1.1	61.7	62.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 16000	1.1	61.7	62.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 14000	1.1	62.8	63.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 12000	1.1	64.9	66.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 10000	1.1	70.2	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	
GE 9000	1.1	70.2	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	
GE 8000	1.1	72.3	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
GE 7000	1.1	72.3	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
GE 6000	1.1	74.5	76.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
GE 5000	1.1	74.5	76.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
GE 4500	1.1	75.5	78.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
GE 4000	1.1	76.6	79.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
GE 3500	1.1	78.7	81.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
GE 3000	1.1	83.0	86.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	
GE 2500	1.1	86.2	89.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 2000	1.1	86.2	89.4	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
GE 1800	1.1	86.2	89.4	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
GE 1500	1.1	86.2	89.4	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
GE 1200	1.1	88.3	91.5	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
GE 1000	1.1	88.3	91.5	94.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 900	1.1	88.3	91.5	94.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 800	1.1	88.3	91.5	94.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 700	1.1	88.3	91.5	94.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 600	1.1	88.3	91.5	94.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 500	1.1	88.3	91.5	94.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 400	1.1	88.3	91.5	94.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 300	1.1	88.3	91.5	94.7	99.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 200	1.1	88.3	91.5	94.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 100	1.1	88.3	91.5	94.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 71	1.1	88.3	91.5	94.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	

TOTAL NUMBER OF OBSERVATIONS: 94

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	1 1/2	1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	.1	43.4	45.5	46.3	46.8	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.3	47.4	47.6	47.8		
GE 20000	.1	45.5	52.0	52.9	53.5	53.5	53.6	53.8	53.8	53.9	53.9	53.9	54.1	54.1	54.4	54.7		
GE 18000	.1	50.3	52.8	53.8	54.3	54.3	54.5	54.7	54.7	54.7	54.7	54.7	54.9	55.0	55.2	55.6		
GE 16000	.1	50.3	52.8	53.8	54.3	54.3	54.5	54.7	54.7	54.7	54.7	54.7	54.9	55.0	55.2	55.6		
GE 14000	.1	51.2	53.7	54.7	55.2	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.9	55.9	56.2	56.5		
GE 12000	.1	52.9	55.4	56.5	57.1	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.7	57.8	58.0	58.4		
GE 10000	.1	56.3	59.2	60.4	61.2	61.2	61.5	61.7	61.7	61.8	61.8	61.8	62.0	62.0	62.3	62.6		
GE 9000	.1	56.7	59.7	60.8	61.6	61.6	62.0	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.5	62.7	63.1	
GE 8000	.1	59.6	63.1	64.5	65.5	65.5	65.9	66.1	66.1	66.2	66.2	66.2	66.4	66.4	66.7	67.0		
GE 7000	.1	60.5	64.1	65.6	66.8	66.8	67.2	67.4	67.4	67.5	67.5	67.5	67.7	67.7	67.8	68.1	68.4	
GE 6000	.1	61.1	65.0	66.5	67.6	67.6	68.1	68.3	68.3	68.4	68.4	68.4	68.6	68.6	68.9	69.3		
GE 5000	.1	62.5	66.5	68.2	69.5	69.5	69.9	70.1	70.1	70.2	70.2	70.2	70.4	70.5	70.7	71.1	71.1	
GE 4500	.1	62.8	67.0	68.7	70.0	70.0	70.4	70.6	70.6	70.7	70.7	70.7	70.9	71.0	71.2	71.6		
GE 4000	.1	64.2	68.7	70.5	71.8	71.8	72.3	72.5	72.5	72.6	72.6	72.6	72.8	72.9	73.1	73.5		
GE 3500	.1	65.7	70.4	72.3	73.7	73.8	74.3	74.5	74.5	74.6	74.6	74.6	74.8	74.8	75.1	75.4		
GE 3000	.1	67.8	72.9	75.0	76.6	76.7	77.3	77.5	77.5	77.6	77.6	77.6	77.8	77.9	78.1	78.5		
GE 2500	.1	66.0	74.3	76.4	78.3	78.4	79.2	79.5	79.5	79.6	79.6	79.6	79.9	80.0	80.3	80.7		
GE 2000	.1	70.1	76.2	78.4	80.5	80.7	81.5	82.0	82.0	82.2	82.2	82.3	82.6	82.7	83.0	83.4		
GE 1800	.1	70.2	76.3	78.5	80.7	80.8	81.7	82.2	82.2	82.4	82.4	82.4	82.8	82.8	83.1	83.5		
GE 1500	.1	71.0	77.5	79.8	82.3	82.5	83.7	84.3	84.3	84.6	84.6	84.7	85.1	85.1	85.4	85.8		
GE 1200	.1	71.4	78.0	80.5	83.0	83.2	84.5	85.1	85.1	85.5	85.5	85.6	85.9	86.0	86.3	86.7		
GE 1000	.1	71.9	78.9	81.7	84.7	84.9	86.4	87.2	87.2	87.6	87.6	87.7	88.3	88.3	88.6	89.0		
GE 900	.1	71.9	79.2	82.0	85.1	85.3	86.9	87.7	87.7	88.2	88.3	88.3	88.8	88.8	89.1	89.5		
GE 800	.1	72.2	79.5	82.4	85.7	86.0	88.2	89.1	89.1	89.7	89.8	89.8	90.3	90.3	90.7	91.1		
GE 700	.1	72.2	79.7	83.0	86.3	86.7	89.2	90.1	90.1	90.8	90.9	90.9	91.4	91.4	91.9	92.4		
GE 600	.1	72.2	79.8	83.3	86.4	87.3	90.2	91.1	91.1	92.1	92.2	92.2	92.7	92.8	93.2	93.6		
GE 500	.1	72.7	80.7	84.7	89.0	89.4	92.5	93.5	93.5	94.7	94.8	94.8	95.5	95.6	96.1	96.5		
GE 400	.1	72.7	80.7	84.8	89.2	89.6	92.7	93.8	93.8	95.1	95.2	95.2	95.9	96.1	96.7	97.1		
GE 300	.1	72.7	80.7	85.0	89.6	90.1	93.5	95.0	95.0	96.4	96.5	96.5	97.5	97.6	98.2	98.7		
GE 200	.1	72.7	80.7	85.0	89.6	90.1	93.5	95.0	95.0	96.4	96.5	96.5	97.5	97.7	98.6	99.2		
GE 100	.1	72.7	80.7	85.0	89.6	90.2	93.5	95.0	95.1	96.5	96.6	96.6	97.6	97.9	98.8	99.8		
GE 71	.1	72.7	80.7	85.0	89.6	90.2	93.5	95.0	95.1	96.5	96.6	96.6	97.6	97.9	98.8	100.0		

TOTAL NUMBER OF OBSERVATIONS: 1975

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.8	41.1	43.4	45.1	45.3	46.9	46.9	46.9	48.0	48.5	48.5	48.7	49.0	49.4	50.8
GE 20000	40.7	45.7	48.0	49.7	49.9	51.7	51.7	51.7	52.9	53.3	53.3	53.8	54.0	54.5	56.1
GE 18000	41.4	46.4	48.7	50.3	50.6	52.4	52.4	52.4	53.6	54.0	54.0	54.5	54.7	55.2	56.8
GE 16000	41.4	46.4	48.7	50.3	50.6	52.4	52.4	52.4	53.6	54.0	54.0	54.5	54.7	55.2	56.8
GE 14000	41.4	46.4	49.0	50.6	50.8	52.6	52.6	52.6	53.8	54.3	54.3	54.7	54.9	55.4	57.0
GE 12000	43.4	48.5	51.0	52.6	52.9	54.7	54.7	54.7	55.9	56.3	56.3	56.8	57.0	57.5	59.1
GE 10000	45.3	50.6	53.3	54.9	55.2	57.0	57.0	57.0	58.2	58.6	58.6	59.5	59.8	60.2	61.8
GE 9000	45.3	50.6	53.3	54.9	55.2	57.0	57.0	57.0	58.2	58.6	58.6	59.5	59.8	60.2	61.8
GE 8000	46.7	52.2	54.9	56.6	56.8	58.6	58.9	58.9	60.0	60.5	60.5	61.4	61.6	62.1	63.7
GE 7000	47.4	52.9	55.6	57.2	57.5	59.3	59.5	59.5	60.7	61.1	61.1	62.1	62.3	62.8	64.4
GE 6000	48.3	53.8	56.6	58.2	58.4	60.2	60.5	60.5	61.6	62.1	62.1	63.0	63.2	63.7	65.3
GE 5000	49.0	54.5	57.2	59.1	59.3	61.1	61.4	61.4	62.5	63.0	63.0	63.9	64.1	64.6	66.2
GE 4500	50.6	56.1	58.9	60.7	60.9	62.8	63.0	63.0	64.1	64.6	64.6	65.5	65.7	66.2	67.8
GE 4000	52.4	59.6	61.4	63.7	64.1	66.0	66.2	66.2	67.4	67.8	67.8	68.7	69.0	69.4	71.0
GE 3500	52.6	58.9	62.3	64.8	65.3	67.1	67.4	67.4	68.5	69.0	69.0	69.9	70.1	70.6	72.2
GE 3000	54.5	60.9	64.6	67.1	67.6	69.4	69.7	69.7	70.8	71.3	71.3	72.2	72.4	72.9	74.5
GE 2500	54.7	61.1	65.3	68.0	68.7	70.6	71.0	71.0	72.2	72.6	72.6	73.6	73.8	74.3	75.9
GE 2000	55.9	63.0	67.6	70.3	71.0	72.9	73.3	73.3	74.5	74.9	74.9	75.9	76.1	76.6	78.2
GE 1800	56.1	63.2	67.8	70.6	71.3	73.1	73.6	73.6	74.7	75.2	75.2	76.1	76.3	76.8	78.4
GE 1500	57.7	65.3	70.1	72.9	74.0	76.3	76.8	76.8	77.9	78.4	78.4	79.3	79.5	80.0	81.6
GE 1200	58.2	66.0	70.8	74.0	75.2	77.5	77.9	77.9	79.1	79.5	79.5	80.5	80.7	81.1	83.0
GE 1000	58.2	66.4	71.7	74.9	76.3	78.6	79.1	79.1	80.2	80.7	80.7	81.6	81.8	82.3	84.1
GE 900	58.2	66.4	71.7	75.2	76.8	79.1	79.5	79.5	80.7	81.1	81.1	82.1	82.3	82.8	84.6
GE 800	58.6	67.1	72.4	76.3	77.9	80.7	81.1	81.1	82.8	83.4	83.4	84.4	84.6	85.1	86.9
GE 700	58.6	67.1	73.1	77.0	78.6	81.4	81.8	81.8	83.4	84.1	84.1	85.1	85.3	85.7	87.6
GE 600	58.6	67.4	73.6	78.2	79.8	82.5	83.2	83.2	85.3	86.0	86.0	86.9	87.1	87.6	89.4
GE 500	59.5	68.7	74.9	80.2	81.8	85.3	86.0	86.0	88.0	89.7	89.7	91.0	91.3	91.7	93.6
GE 400	59.5	68.7	74.9	80.2	81.8	86.0	87.1	87.1	89.1	91.3	91.3	92.6	93.1	94.0	95.9
GE 300	59.5	68.7	74.9	80.5	82.1	86.7	88.3	88.5	91.5	92.6	92.6	94.3	94.7	95.9	97.9
GE 200	59.5	69.7	74.9	80.5	82.1	86.7	88.3	88.5	91.5	92.9	93.1	94.5	94.9	96.3	98.4
GE 100	59.5	69.7	74.9	80.5	82.1	86.7	88.3	88.5	91.5	92.9	93.1	94.5	94.9	96.3	99.5
GE 50	59.5	69.7	74.9	80.5	82.1	86.7	88.3	88.5	91.5	92.9	93.1	94.5	94.9	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 0900-1100

CEILING FEET	VISIBILITY IN STATUTE MILES															
	IN FEET	10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL 1		48.0	50.7	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 20000		55.1	58.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000		55.9	58.8	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000		56.2	59.2	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 14000		56.2	59.2	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 12000		57.3	60.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 10000		59.3	62.8	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000		60.3	63.7	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000		63.1	66.5	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000		63.7	67.1	68.2	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000		65.6	69.2	70.3	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 5000		66.5	70.3	71.4	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4500		67.8	71.5	72.6	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000		69.5	73.4	74.5	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500		70.4	74.6	76.4	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3000		71.5	76.2	78.1	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2500		71.8	76.5	78.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2000		73.6	78.4	80.8	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1800		74.2	79.0	81.4	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1500		75.3	82.4	82.8	85.0	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1200		75.9	81.2	84.0	86.2	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1000		76.2	81.8	84.7	87.2	87.3	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1
GE 900		76.4	82.2	85.1	87.6	87.8	88.4	88.4	88.4	88.4	89.6	88.6	88.6	88.6	88.6	88.6
GE 800		76.4	82.6	85.8	88.4	88.7	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 700		76.4	83.3	86.4	89.0	89.4	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 600		76.7	83.9	87.3	90.5	91.1	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
GE 500		77.2	84.4	87.9	92.5	93.4	95.0	95.0	95.0	95.0	95.1	95.5	95.5	95.8	95.8	95.8
GE 400		77.5	84.7	88.3	93.0	94.1	96.4	96.9	96.9	97.2	97.5	97.5	98.3	98.3	98.3	98.3
GE 300		77.9	85.3	88.7	93.7	94.8	97.5	98.0	98.0	98.3	98.6	98.6	99.4	99.4	99.4	99.5
GE 200		77.9	85.3	88.9	93.7	94.8	97.5	98.0	98.0	98.3	98.6	98.6	99.5	99.5	99.5	99.7
GE 100		77.9	85.3	88.9	93.7	94.8	97.5	98.0	98.0	98.3	98.6	98.6	99.5	99.5	99.5	99.7
GE 0		77.9	85.3	88.9	93.7	94.8	97.5	98.0	98.0	98.3	98.6	98.6	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 639

GLOBAL CLIMATOLOGY BRANCH
USAFTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(LST): 1200-1400

NO	CEIL	VISIBILITY IN STATUTE MILES																	
		IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
GE 20000	56.1	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	57.1	59.9	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 16000	57.2	60.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 14000	58.8	61.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	59.7	62.5	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 10000	61.9	64.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 9000	62.1	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 8000	64.7	67.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 7000	65.8	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 6000	66.5	69.6	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	68.7	72.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	69.3	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 4000	71.9	76.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3500	73.4	77.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3000	74.5	79.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2500	76.8	82.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 2000	78.4	84.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1800	79.0	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1500	79.6	85.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1200	81.3	86.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1000	81.4	86.7	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 900	81.9	87.5	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 800	81.0	89.1	91.4	92.0	92.3	92.8	92.9	92.9	92.9	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 700	81.0	88.2	91.5	92.5	92.8	93.3	93.4	93.4	93.4	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 600	81.5	88.7	92.0	93.1	93.6	94.0	94.0	94.0	94.0	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 500	82.0	89.2	92.8	94.8	95.5	97.0	98.0	98.0	98.0	98.0	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	82.0	89.2	92.8	95.0	95.6	97.2	98.1	98.1	98.1	98.1	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	82.0	89.3	92.9	95.3	95.9	97.5	98.7	98.7	98.7	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	82.0	89.3	92.9	95.3	95.9	97.5	98.7	98.7	98.7	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	82.0	89.3	92.9	95.3	95.9	97.5	98.7	98.7	98.7	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	92.0	89.3	92.9	95.3	95.9	97.5	98.7	98.7	98.7	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	.2	52.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	.2	60.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 18000	.2	60.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 16000	.2	60.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 14000	.2	62.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 12000	.2	62.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 10000	.2	66.5	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 9000	.2	67.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 8000	.2	68.1	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 7000	.2	68.3	71.9	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 6000	.2	69.2	73.0	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 5000	.2	69.4	73.6	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4500	.2	69.4	73.6	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4000	.2	71.5	75.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	.2	73.0	77.1	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3000	.2	75.3	80.9	82.0	82.4	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	.2	77.4	83.0	84.1	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2000	.2	78.2	84.3	86.2	87.0	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1800	.2	78.2	84.3	86.2	87.0	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1500	.2	78.2	85.1	87.2	88.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1200	.2	79.0	86.0	88.1	89.1	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1000	.2	79.9	87.2	89.5	92.0	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	.2	81.1	87.6	89.9	92.5	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 800	.2	82.5	88.5	91.0	94.1	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 700	.2	82.7	88.7	91.2	94.3	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	.2	82.7	88.7	91.2	94.5	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 500	.2	82.9	88.9	92.5	96.6	97.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	.2	82.9	88.9	92.7	96.9	97.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	.2	82.9	88.9	92.7	96.9	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	.2	82.9	88.9	92.7	96.9	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	.2	82.9	88.9	92.7	96.9	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 01	.2	92.7	89.9	92.7	96.9	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 477

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87

MONTH: MAR HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	57.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	62.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 18000	62.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 16000	62.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 14000	63.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 12000	65.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 10000	70.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	71.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 8000	72.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 7000	72.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	72.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 5000	72.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	72.9	77.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.8	78.8	78.8
GE 4000	74.1	78.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	76.5	81.2	83.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	77.6	84.7	87.1	89.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	77.6	84.7	87.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	78.8	85.9	88.2	89.4	89.4	89.4	89.4	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	78.8	85.9	88.2	89.4	89.4	89.4	89.4	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1700	78.8	85.9	89.4	90.6	90.6	90.6	90.6	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1200	82.4	89.4	92.9	94.1	94.1	94.1	94.1	94.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	82.4	89.4	92.9	95.3	95.3	95.3	95.3	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	82.4	89.4	92.9	95.3	95.3	95.3	95.3	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	82.4	90.6	94.1	96.5	96.5	96.5	96.5	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	82.4	90.6	94.1	96.5	96.5	96.5	96.5	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	82.4	90.6	94.1	96.5	96.5	96.5	96.5	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	82.4	90.6	94.1	97.6	97.6	97.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	82.4	90.6	95.3	98.8	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.4	90.6	95.3	98.8	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.4	90.6	95.3	98.8	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.4	90.6	95.3	98.8	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	92.4	90.6	95.3	98.8	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 85

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE D		
NO CEIL	.0	47.5	50.3	51.1	51.6	51.6	51.9	51.9	51.9	52.2	52.2	52.2	52.3	52.3	52.4	52.7		
GE 20000	.0	53.9	57.2	58.2	58.6	58.7	59.0	59.0	59.0	59.2	59.3	59.3	59.4	59.5	59.5	59.9		
GE 18000	.0	54.7	58.0	58.9	59.4	59.4	59.8	59.8	59.8	60.0	60.1	60.1	60.2	60.2	60.3	60.6		
GE 16000	.0	54.8	58.1	59.1	59.5	59.5	59.9	59.9	59.9	60.1	60.2	60.2	60.3	60.3	60.4	60.7		
GE 14000	.0	55.6	59.9	59.9	60.4	60.4	60.8	60.8	60.8	61.0	61.1	61.1	61.2	61.2	61.3	61.6		
GE 12000	.0	56.8	60.2	61.2	61.7	61.7	62.0	62.0	62.0	62.3	62.4	62.4	62.5	62.6	62.9			
GE 10000	.0	59.3	62.9	63.9	64.4	64.5	64.8	64.8	64.8	65.0	65.1	65.1	65.3	65.3	65.4	65.7		
GE 9000	.0	59.8	63.4	64.4	64.9	65.0	65.3	65.3	65.3	65.5	65.6	65.6	65.8	65.8	65.9	66.2		
GE 8000	.0	61.8	65.7	66.7	67.2	67.2	67.6	67.6	67.6	67.9	67.9	67.9	68.1	68.2	68.2	68.6		
GE 7000	.0	62.5	66.3	67.5	68.0	68.1	68.5	68.5	68.5	68.7	68.8	68.8	69.0	69.0	69.1	69.4		
GE 6000	.0	63.5	67.5	68.6	69.2	69.2	69.6	69.7	69.7	70.0	70.0	70.1	70.2	70.3	70.6			
GE 5000	.0	64.6	68.7	69.9	70.5	70.5	70.9	71.0	71.0	71.2	71.3	71.3	71.5	71.5	71.6	71.9		
GE 4500	.0	65.3	69.5	70.8	71.3	71.4	71.8	71.8	71.8	72.0	72.1	72.1	72.3	72.3	72.4	72.7		
GE 4000	.0	67.5	72.0	73.5	74.2	74.3	74.7	74.7	74.7	75.0	75.0	75.2	75.2	75.3	75.6			
GE 3500	.0	68.6	73.3	75.1	75.9	76.1	76.5	76.5	76.5	76.7	76.8	76.8	77.0	77.1	77.4			
GE 3000	.0	70.1	75.5	77.4	78.3	78.5	78.9	79.0	79.0	79.2	79.3	79.3	79.5	79.6	79.9			
GE 2500	.0	71.3	76.8	79.0	80.0	80.3	80.8	80.9	80.9	81.1	81.2	81.2	81.4	81.4	81.5	81.8		
GE 2000	.0	72.7	78.6	81.1	82.2	82.4	83.1	83.2	83.2	83.5	83.6	83.6	83.7	83.8	83.9	84.2		
GE 1800	.0	73.1	79.0	81.5	82.6	82.8	83.5	83.6	83.6	83.9	83.9	83.9	84.1	84.2	84.3	84.6		
GE 1500	.0	73.9	80.2	82.9	84.4	84.7	85.5	85.6	85.6	86.0	86.1	86.1	86.2	86.3	86.4	86.7		
GE 1200	.0	74.6	81.0	84.1	85.7	86.0	86.8	86.9	86.9	87.3	87.4	87.4	87.6	87.6	87.7	88.0		
GE 1000	.0	74.9	81.7	85.0	87.1	87.6	88.4	88.5	88.5	88.9	89.0	89.2	89.2	89.3	89.7			
GE 900	.0	75.2	82.1	85.4	87.6	88.1	89.0	89.1	89.1	89.5	89.6	89.6	89.8	89.9	90.3			
GE 80	.0	75.4	82.7	86.2	88.6	89.2	90.2	90.3	90.3	90.8	91.0	91.0	91.2	91.2	91.3	91.7		
GE 700	.0	75.4	83.0	86.6	89.1	89.7	90.7	90.9	90.9	91.3	91.6	91.6	91.8	91.9	92.0	92.3		
GE 600	.0	75.6	83.3	87.1	89.9	90.7	91.7	91.9	91.9	92.4	92.7	92.7	93.0	93.0	93.1	93.4		
GE 500	.0	76.1	83.9	88.0	91.9	92.7	94.5	94.9	94.9	95.8	96.2	96.2	96.6	96.7	96.8	97.1		
GE 400	.0	76.2	84.0	88.2	92.1	93.1	95.2	95.8	95.8	96.7	97.2	97.2	97.8	97.9	98.1	98.5		
GE 300	.0	76.3	84.2	88.4	92.5	93.4	95.8	96.6	96.6	97.6	98.1	98.1	98.7	98.8	99.0	99.5		
GE 200	.0	76.3	84.2	88.4	92.5	93.4	95.8	96.6	96.6	97.6	98.1	98.2	98.8	98.9	99.2	99.6		
GE 100	.0	76.3	84.2	88.4	92.5	93.4	95.8	96.6	96.7	97.6	98.1	98.2	98.8	98.9	99.2	99.8		
GE 51	.0	76.3	84.2	88.4	92.5	93.4	95.8	96.6	96.7	97.6	98.1	98.2	98.8	98.9	99.2	100.0		

TOTAL NUMBER OF OBSERVATIONS: 2274

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	45.7	52.3	55.1	57.3	57.5	58.8	59.4	59.4	60.4	61.4	61.4	62.0	62.2	62.8	63.6			
GE 20000	48.5	55.7	58.8	61.4	61.8	63.2	63.8	63.8	64.8	65.8	65.8	66.4	66.6	67.2	68.0			
GE 18000	48.5	55.7	58.8	61.4	61.8	63.2	63.8	63.8	64.8	65.8	65.8	66.4	66.6	67.2	68.0			
GE 16000	48.5	55.7	58.8	61.4	61.8	63.2	63.8	63.8	64.8	65.8	65.8	66.4	66.6	67.2	68.0			
GE 14000	49.1	56.3	59.4	62.0	62.4	63.8	64.4	64.4	65.4	66.4	66.4	67.0	67.2	67.8	68.6			
GE 12000	51.1	58.6	61.8	64.4	64.8	66.2	66.8	66.8	67.8	68.8	68.8	69.4	69.6	70.2	71.0			
GE 10000	53.3	62.0	66.0	68.8	69.2	70.6	71.2	71.2	72.2	72.2	72.2	73.2	73.8	74.0	74.6	75.5		
GE 9000	53.3	62.0	66.0	68.8	69.2	70.6	71.2	71.2	72.2	72.2	72.2	73.2	73.8	74.0	74.6	75.5		
GE 8000	55.3	64.6	68.6	71.4	71.8	73.4	74.0	74.0	75.1	76.1	76.1	76.7	76.9	77.5	78.3			
GE 7000	55.7	65.0	69.0	71.8	72.2	73.8	74.4	74.4	75.5	76.5	76.5	77.1	77.3	77.9	78.7			
GE 6000	56.1	65.6	69.8	72.6	73.0	74.6	75.3	75.3	76.3	77.3	77.3	77.9	78.1	78.7	79.5			
GE 5000	56.1	65.8	70.0	72.8	73.2	74.8	75.5	75.5	76.5	77.5	77.5	78.1	78.3	78.9	79.7			
GE 4500	56.5	66.2	70.4	73.2	73.6	75.3	75.9	75.9	76.9	77.9	77.9	78.5	78.7	79.3	80.1			
GE 4000	57.5	67.8	72.0	74.8	75.3	76.9	77.5	77.5	78.5	79.5	79.5	80.1	80.3	80.9	81.7			
GE 3500	59.4	69.6	73.8	76.7	77.1	78.7	79.3	79.3	80.3	81.3	81.3	81.9	82.1	82.7	83.5			
GE 3000	59.6	69.8	74.0	76.9	77.3	78.9	79.5	79.5	80.5	81.5	81.5	82.1	82.3	82.9	83.7			
GE 2500	60.0	70.2	74.4	77.5	77.9	79.5	80.1	80.1	81.1	82.1	82.1	82.7	82.9	83.5	84.3			
GE 2000	60.6	71.2	75.5	78.5	78.9	80.7	81.3	81.3	82.3	83.3	83.3	83.9	84.1	84.7	85.5			
GE 1800	60.6	71.2	75.5	78.5	78.9	80.7	81.3	81.3	82.3	83.3	83.3	83.9	84.1	84.7	85.5			
GE 1500	60.8	71.4	75.7	78.7	79.1	81.1	81.9	81.9	82.9	83.9	83.9	84.5	84.7	85.3	86.1			
GE 1200	61.8	72.8	77.1	80.3	80.7	82.7	83.5	83.5	84.5	85.5	85.5	86.1	86.3	86.9	87.7			
GE 1000	62.2	73.4	78.1	81.7	82.1	84.1	84.9	84.9	85.9	86.9	86.9	87.5	87.7	88.3	89.1			
GE 900	62.8	74.0	78.7	82.3	82.7	84.7	85.5	85.5	86.5	87.5	87.5	88.1	88.3	88.9	89.7			
GE 800	62.8	74.2	79.1	83.1	83.7	85.9	87.1	87.1	88.3	89.3	89.3	89.9	90.1	90.7	91.5			
GE 700	63.2	74.6	79.5	83.5	84.3	86.5	87.7	87.7	88.9	89.9	89.9	90.5	90.7	91.3	92.2			
GE 600	63.2	74.6	79.5	83.7	84.5	86.9	88.1	88.1	89.3	90.3	90.3	90.9	91.1	91.8	92.6			
GE 500	63.2	74.8	79.7	84.1	85.1	87.9	89.1	89.3	90.5	92.0	92.0	92.8	93.0	93.6	94.4			
GE 400	63.4	75.3	80.1	84.7	85.9	89.5	90.9	91.1	92.8	94.2	94.2	95.0	95.2	95.8	96.6			
GE 300	63.4	75.3	80.1	84.7	85.9	89.7	91.3	91.5	93.2	95.0	95.0	96.4	96.6	97.2	98.0			
GE 200	63.4	75.3	80.1	84.7	85.9	89.7	91.3	91.5	93.2	95.0	95.0	97.0	97.2	98.2	99.4			
GE 100	63.4	75.3	80.1	84.7	85.9	89.7	91.3	91.5	93.2	95.0	95.0	97.0	97.6	98.6	100.0			
GE 71	63.4	75.3	80.1	84.7	85.9	89.7	91.3	91.5	93.2	95.0	95.0	97.0	97.6	98.6	100.0			

TOTAL NUMBER OF OBSERVATIONS: 497

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10	6	5	4	3	2	1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE 0	
NO CEIL	57.6	59.6	60.0	60.0	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 20000	61.9	63.1	63.5	63.5	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
GE 18000	61.6	63.7	64.1	64.1	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 16000	61.6	63.7	64.1	64.1	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 14000	62.6	64.7	65.2	65.2	65.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 12000	65.3	67.5	67.9	67.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE 10000	66.7	68.8	69.9	69.9	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	
GE 9000	66.9	69.0	70.1	70.1	70.1	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
GE 8000	70.2	72.5	73.7	73.7	73.7	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	
GE 7000	70.8	73.1	74.3	74.3	74.3	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
GE 6000	72.6	74.9	76.1	76.1	76.1	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
GE 5000	74.0	76.3	77.5	77.5	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 4000	74.2	76.4	77.7	77.7	77.7	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	
GE 3000	75.2	77.6	79.0	79.2	79.2	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
GE 2500	76.0	78.7	79.9	80.1	80.1	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
GE 2000	77.5	80.2	81.6	81.8	81.8	82.5	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
GE 1500	79.0	82.1	83.4	83.6	83.6	84.3	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 1200	79.9	83.1	84.7	84.8	84.8	85.9	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
GE 1000	80.4	83.6	85.3	85.4	85.4	86.5	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 800	81.6	85.0	86.6	86.8	86.8	88.1	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	
GE 600	81.6	85.4	87.2	87.4	87.5	88.8	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
GE 500	82.1	86.0	88.0	88.3	88.4	89.7	90.0	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	
GE 400	82.4	86.3	88.3	88.6	88.8	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	
GE 300	82.7	86.6	88.6	89.1	89.2	90.7	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 200	83.3	87.4	89.8	90.7	90.9	92.4	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
GE 100	83.4	88.0	90.6	91.9	92.2	93.8	94.2	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 0	84.0	88.9	91.6	94.1	94.4	96.7	97.7	97.7	99.1	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 1200-1400

NO CEIL	VISIBILITY IN STATUTE MILES															
	IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
GE 20000	55.0	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 18000	55.9	62.3	62.6	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
GE 16000	60.6	62.9	63.2	63.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
GE 14000	60.9	63.2	63.5	63.5	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 12000	63.2	65.5	65.8	65.8	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 10000	65.4	68.2	68.6	68.6	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 9000	65.8	68.6	69.1	69.1	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
GE 8000	68.8	71.6	72.0	72.0	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 7000	70.2	73.0	73.4	73.4	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	
GE 6000	71.9	74.7	75.2	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	
GE 5000	73.8	76.6	77.0	77.0	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
GE 4500	73.8	76.6	77.0	77.0	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
GE 4000	75.0	78.3	78.7	78.7	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	
GE 3500	76.6	80.0	81.1	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	
GE 3000	80.1	83.9	84.9	84.9	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
GE 2500	80.9	85.4	86.8	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	
GE 2000	82.8	87.6	89.0	89.4	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
GE 1800	82.8	87.6	89.0	89.4	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
GE 1500	83.4	88.2	89.6	90.1	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	
GE 1200	84.0	89.1	90.5	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 1000	84.6	89.9	91.5	92.1	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
GE 900	84.8	90.2	91.8	92.4	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	
GE 800	96.2	91.6	93.3	94.3	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE 700	86.3	91.9	93.6	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 600	86.6	92.5	94.3	95.3	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 500	86.8	92.7	94.4	95.8	95.8	96.7	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	
GE 400	87.1	93.2	94.9	96.9	96.9	98.1	98.6	98.6	98.6	98.6	98.8	98.8	99.1	99.1	99.1	
GE 300	87.1	93.2	94.9	97.0	97.0	98.9	99.4	99.4	99.4	99.4	99.5	99.5	100.0	100.0	100.0	
GE 200	87.1	93.2	94.9	97.0	97.0	98.9	99.4	99.4	99.4	99.4	99.5	99.5	100.0	100.0	100.0	
GE 100	87.1	93.2	94.9	97.0	97.0	98.9	99.4	99.4	99.4	99.4	99.5	99.5	100.0	100.0	100.0	
GE 0	97.1	93.2	94.9	97.0	97.0	98.9	99.4	99.4	99.4	99.4	99.5	99.5	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 644

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	51.0	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	55.8	59.0	59.0	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18700	57.5	60.7	60.7	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16700	57.5	60.7	60.7	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14200	58.0	61.1	61.1	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	60.9	64.1	64.3	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 10000	63.7	67.3	67.5	67.9	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 9000	63.7	67.3	67.5	67.9	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 8000	66.5	70.3	70.7	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7000	68.2	72.0	72.4	73.0	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 6000	70.9	74.7	75.2	75.8	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 5000	73.9	77.7	78.1	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4500	74.3	78.1	78.6	79.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4000	76.2	80.5	81.1	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3500	78.1	82.4	83.7	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 3000	79.0	83.2	84.7	85.6	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2500	79.6	85.4	87.0	88.1	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2000	81.1	86.8	88.5	89.6	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	81.1	86.8	88.5	89.6	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500	82.0	87.9	90.0	91.5	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200	82.2	88.3	90.4	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	82.6	88.7	91.3	92.8	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 900	83.9	90.0	92.6	94.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	83.9	90.0	92.6	94.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 700	84.3	90.4	93.0	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 600	84.5	90.7	93.4	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 500	84.5	90.7	93.6	95.3	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 400	84.7	90.9	93.8	96.4	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	84.9	91.1	94.7	97.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	84.9	91.1	94.7	97.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	84.9	91.1	94.7	97.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	84.9	91.1	94.7	97.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: APR

HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0		
NO CEIL	42.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	44.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 18000	48.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 16000	48.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 14000	48.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 12000	54.1	57.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 10000	56.5	62.4	63.5	63.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 9000	56.5	63.5	64.7	64.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 8000	63.5	70.6	71.8	72.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	63.5	70.6	71.8	72.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 6000	68.2	75.3	76.5	77.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 5000	71.8	78.8	80.0	81.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4500	72.9	80.0	81.2	82.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 4000	74.1	82.4	83.5	84.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	74.1	82.4	83.5	84.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3000	74.1	82.4	83.5	84.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	76.5	84.7	85.9	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	76.5	84.7	85.9	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	76.5	84.7	85.9	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1400	76.5	84.7	85.9	90.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1200	77.6	85.9	87.1	91.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	78.8	87.1	88.2	92.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	91.2	89.4	90.6	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	81.2	89.4	90.6	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 700	81.2	89.4	90.6	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	81.2	89.4	90.6	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 500	81.2	89.4	90.6	95.3	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	81.2	89.4	90.6	95.3	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 300	91.2	89.4	91.8	96.5	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	81.2	89.4	91.8	96.5	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100	81.2	89.4	91.8	96.5	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 71	81.2	89.4	91.8	96.5	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 85

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1C	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	52.5	55.5	56.3	56.8	56.9	57.2	57.4	57.6	57.8	57.9	57.9	58.0	58.1	58.3		
GE 20000	56.4	60.0	60.8	61.4	61.5	62.2	62.3	62.3	62.5	62.8	62.9	63.1	63.1	63.2	63.2	63.2
GE 18000	57.2	60.8	61.6	62.3	62.3	63.0	63.1	63.1	63.4	63.6	63.6	63.7	63.7	63.9	63.9	64.0
GE 16000	57.2	60.8	61.6	62.3	62.3	63.0	63.1	63.1	63.4	63.6	63.6	63.7	63.7	63.9	63.9	64.0
GE 14000	57.8	61.4	62.2	62.8	62.9	63.6	63.7	63.7	63.9	64.2	64.2	64.3	64.3	64.5	64.6	64.6
GE 12000	60.5	64.0	65.0	65.6	65.7	66.4	66.5	66.5	66.8	67.0	67.0	67.1	67.1	67.3	67.3	67.4
GE 10000	62.5	66.7	68.0	68.7	68.9	69.6	69.7	69.7	70.0	70.2	70.2	70.3	70.4	70.5	70.5	70.7
GE 9000	62.7	66.9	68.2	68.9	69.1	69.8	69.9	69.9	70.2	70.4	70.4	70.5	70.6	70.7	70.9	
GE 8000	65.7	70.1	71.5	72.3	72.5	73.2	73.3	73.3	73.6	73.9	73.9	74.0	74.1	74.1	74.3	
GE 7000	66.7	71.0	72.5	73.2	73.5	74.2	74.3	74.3	74.6	74.8	74.8	74.9	74.9	75.1	75.2	
GE 6000	69.5	72.9	74.4	75.1	75.3	76.1	76.2	76.2	76.4	76.6	76.6	76.8	76.8	76.9	77.1	
GE 5000	70.1	74.5	76.0	76.8	77.0	77.7	77.8	77.8	78.1	79.3	78.3	78.4	78.5	78.6	78.8	
GE 4500	70.3	74.8	76.3	77.0	77.2	78.0	78.1	78.1	78.3	78.6	78.6	78.7	78.7	78.9	79.0	
GE 4000	71.6	76.5	78.0	78.9	79.1	79.8	79.9	79.9	80.2	80.4	80.4	80.5	80.6	80.7	80.8	
GE 3500	73.0	78.0	79.8	80.6	80.8	81.6	81.7	81.7	82.0	82.2	82.2	82.3	82.3	82.5	82.6	
GE 3000	74.6	79.7	81.6	82.5	82.7	83.4	83.6	83.6	83.9	84.1	84.1	84.2	84.2	84.4	84.5	
GE 2700	75.5	81.2	83.3	84.4	84.6	85.4	85.6	85.6	85.8	86.0	86.0	86.2	86.2	86.3	86.5	
GE 2500	76.7	82.6	84.7	85.9	86.1	87.0	87.2	87.2	87.4	87.6	87.6	87.8	87.8	87.9	88.1	
GE 1800	76.9	82.8	84.9	86.0	86.2	87.1	87.3	87.3	87.6	87.8	87.8	88.0	88.1	88.3		
GE 1500	77.6	83.6	85.8	87.0	87.3	88.3	88.6	88.6	88.9	89.1	89.1	89.3	89.3	89.4	89.6	
GE 1200	78.0	84.4	86.6	87.9	88.2	89.2	89.5	89.5	89.8	90.0	90.0	90.1	90.2	90.3	90.5	
GE 1000	78.6	85.0	87.5	89.0	89.3	90.3	90.5	90.5	90.9	91.1	91.1	91.3	91.4	91.5	91.7	
GE 900	79.2	85.6	88.2	89.6	89.9	90.9	91.2	91.2	91.5	91.8	91.8	92.0	92.1	92.3		
GE 800	79.6	86.2	88.7	90.4	90.7	91.9	92.3	92.3	92.7	92.9	92.9	93.1	93.2	93.3	93.5	
GE 700	80.0	86.6	89.3	91.2	91.5	92.7	93.0	93.0	93.6	93.9	93.9	94.1	94.1	94.3	94.4	
GE 600	80.2	87.0	89.8	91.6	92.2	93.5	93.9	93.9	94.4	94.7	94.7	94.9	95.0	95.1	95.3	
GE 500	80.3	87.3	90.1	92.5	92.9	94.4	94.9	94.9	95.5	95.9	95.9	96.2	96.2	96.3	96.5	
GE 400	80.6	87.6	90.5	93.3	93.9	95.8	96.4	96.4	97.2	97.7	97.7	98.0	98.0	98.2	98.3	
GE 300	80.6	87.6	90.7	93.6	94.2	96.4	97.2	97.2	98.1	98.6	98.6	99.1	99.2	99.3	99.4	
GE 200	80.6	87.6	90.7	93.6	94.2	96.4	97.2	97.2	98.1	98.6	98.6	99.3	99.4	99.6	99.8	
GE 100	80.6	87.6	90.7	93.6	94.2	96.4	97.2	97.2	98.1	98.7	98.7	99.4	99.5	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2355

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.6	39.8	42.7	45.1	45.7	47.3	47.4	47.4	48.3	49.8	49.8	49.3	50.0	50.9	51.2	
GE 20000	35.7	44.7	47.8	50.9	51.5	53.2	53.6	53.6	54.6	55.3	55.8	56.5	57.8	58.5		
GE 18000	36.0	45.4	48.5	51.5	52.2	53.9	54.3	54.3	55.3	56.0	56.0	56.5	57.2	58.5	59.2	
GE 16000	36.0	45.4	48.5	51.5	52.2	53.9	54.3	54.3	55.3	56.0	56.0	56.5	57.2	58.5	59.2	
GE 14000	36.2	45.7	48.8	51.9	52.6	54.3	54.6	54.6	55.6	56.3	56.3	56.8	57.5	58.9	59.6	
GE 12000	38.4	48.1	51.2	54.3	54.9	56.7	57.0	57.0	58.0	58.7	58.7	59.2	59.9	61.3	61.9	
GE 10000	42.7	53.1	56.1	59.7	60.4	62.1	62.5	62.5	63.5	64.2	64.2	64.7	65.4	66.7	67.4	
GE 9000	43.0	53.4	56.5	60.1	60.8	62.5	62.8	62.8	63.8	64.5	64.5	65.0	65.7	67.1	67.7	
GE 8000	46.9	58.4	61.6	65.4	66.0	67.9	68.3	68.3	69.3	70.0	70.0	70.5	71.2	72.7	73.4	
GE 7000	47.6	59.2	62.6	66.4	67.1	68.9	69.3	69.3	70.3	71.0	71.0	71.5	72.2	73.7	74.4	
GE 6000	48.1	59.9	63.3	67.1	67.9	70.0	70.3	70.3	71.3	72.0	72.0	72.5	73.2	74.7	75.4	
GE 5000	48.8	61.1	64.7	68.4	69.3	71.3	72.0	72.0	73.0	73.7	73.7	74.2	74.9	76.6	77.5	
GE 4500	48.8	61.1	64.7	68.4	69.3	71.3	72.0	72.0	73.0	73.7	73.7	74.2	74.9	76.6	77.5	
GE 4000	49.1	61.6	65.4	69.1	70.0	72.0	72.7	72.7	73.7	74.4	74.4	74.9	75.6	77.3	78.2	
GE 3500	49.3	61.8	65.7	69.5	70.3	72.5	73.2	73.2	74.2	74.9	74.9	75.4	76.1	77.8	78.7	
GE 3000	50.0	62.6	66.7	71.2	72.0	74.2	74.9	74.9	75.9	76.6	76.6	77.1	77.8	79.5	80.4	
GE 2500	50.2	63.3	67.4	72.0	72.9	75.1	75.8	75.8	76.8	77.5	77.5	78.0	78.7	80.4	81.2	
GE 2000	50.5	64.2	68.3	73.2	74.1	76.6	77.6	77.6	78.7	79.4	79.4	80.5	82.3	83.1		
GE 1800	50.9	64.5	68.6	73.5	74.4	77.0	78.0	78.0	79.0	79.7	79.7	80.2	80.9	82.6	83.4	
GE 1500	52.4	66.7	70.8	76.3	77.1	79.7	80.7	80.7	81.7	82.4	82.4	82.9	83.6	85.3	86.2	
GE 1200	53.2	67.7	72.0	78.0	78.8	81.4	82.4	82.4	83.4	84.1	84.1	84.6	85.3	87.0	87.9	
GE 1000	53.9	68.8	73.0	79.0	79.9	82.8	84.1	84.1	85.2	85.8	86.3	87.0	88.7	89.6		
GE 900	53.9	68.8	73.0	79.0	79.9	82.8	84.1	84.1	85.2	85.8	86.3	87.0	88.7	89.6		
GE 800	54.3	69.1	73.4	79.4	80.2	83.6	85.0	85.0	86.2	86.9	86.9	87.5	88.2	89.9	90.8	
GE 700	54.3	69.3	73.5	79.5	80.5	84.0	85.5	85.5	86.7	87.5	87.5	88.2	88.9	90.6	91.5	
GE 600	54.3	69.6	73.9	79.9	81.1	84.5	86.0	86.0	87.2	88.1	88.1	88.7	89.4	91.1	92.0	
GE 500	54.9	70.5	74.7	81.4	82.6	86.2	88.2	88.2	89.6	91.0	91.0	91.8	92.5	94.2	95.1	
GE 400	54.9	71.0	75.3	82.1	83.3	87.4	89.8	89.8	91.1	92.5	92.5	93.3	94.0	95.7	96.6	
GE 300	54.9	71.0	75.6	82.4	83.6	87.7	91.0	91.0	92.6	94.4	94.4	95.2	95.9	97.8	98.8	
GE 200	54.9	71.0	75.6	82.4	83.6	88.1	91.5	91.5	93.5	95.1	95.1	96.2	96.9	98.8	99.8	
GE 100	54.9	71.0	75.6	82.4	83.6	88.1	91.5	91.5	93.5	95.1	95.1	96.2	96.9	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

NO CEIL	VISIBILITY IN STATUTE MILES															
	IN FEET	10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
GE 20000	51.5	55.4	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 18000	51.5	55.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	51.5	55.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	51.5	55.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 12000	54.3	58.8	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 10000	59.0	62.6	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	58.0	62.6	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	61.5	66.3	66.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 7000	62.2	66.9	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	62.5	67.4	68.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 5000	64.0	69.2	69.8	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	64.5	69.7	70.3	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	64.9	70.2	70.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3500	66.0	71.4	72.2	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3000	68.6	75.1	75.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2500	71.2	78.5	79.2	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 2000	72.6	80.5	91.2	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1800	73.5	81.4	82.2	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1500	78.3	86.9	87.7	88.8	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	78.9	87.7	88.5	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1000	79.8	89.2	90.3	91.7	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 900	80.0	89.4	90.5	91.8	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 800	80.9	90.3	91.5	92.9	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 700	81.4	90.8	92.2	93.5	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	82.0	91.8	93.4	94.9	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 500	82.6	92.6	94.3	96.0	96.5	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 400	82.6	92.9	94.6	96.5	96.9	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	82.8	93.1	94.8	96.8	97.4	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	92.8	93.1	94.8	96.8	97.4	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 100	92.8	93.1	94.8	96.8	97.4	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 0	82.8	93.1	94.8	96.8	97.4	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LST): 1200-1400

NO CEIL	VISIBILITY IN STATUTE MILES																
	IN	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE 20000	54.1	57.6	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 18000	54.8	58.2	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	54.8	58.2	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	55.1	58.6	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	56.7	60.2	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	61.2	65.0	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 9000	61.3	65.1	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 8000	64.6	68.6	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 7000	64.8	68.8	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 6000	65.8	69.7	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 5000	66.4	70.4	70.9	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 4000	66.6	70.6	71.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3000	67.9	71.9	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 2000	70.2	74.2	74.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 1000	72.7	77.1	78.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 2500	75.8	80.8	81.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	79.1	84.9	86.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1900	80.3	86.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1500	92.6	89.3	90.6	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200	82.7	89.5	91.1	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	83.7	91.0	92.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	84.2	91.6	93.4	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	94.9	92.4	94.2	96.1	96.1	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	85.0	92.6	94.4	96.2	96.2	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 600	85.0	92.8	94.9	96.1	96.7	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	95.2	92.9	95.2	97.5	97.5	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	85.2	92.9	95.2	97.7	97.7	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	85.2	92.9	95.2	97.7	98.2	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.2	92.9	95.2	97.7	98.2	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.2	92.9	95.2	97.7	98.2	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.2	92.9	95.2	97.7	98.2	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1 10	GE 6	GE 5	GE 4	GE 3	GF 2	1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GC 5/16	GE 1/4	GE 0	
NO CEIL	45.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
GE 20000	57.8	61.8	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
GE 18000	58.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 16000	58.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 14000	58.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 12000	61.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	
GE 10000	66.3	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
GE 9000	66.3	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
GE 8000	70.9	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
GE 7000	71.4	76.9	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	
GE 6000	72.4	77.9	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 5000	73.6	79.1	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	
GE 4500	73.6	79.1	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
GE 4000	74.9	80.4	80.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
GE 3500	76.4	82.2	82.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	
GE 3000	78.9	84.9	85.7	86.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
GE 2500	80.7	86.7	87.4	88.7	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
GE 2000	81.7	87.7	89.2	90.5	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE 1800	81.7	87.7	89.2	90.5	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE 1500	94.7	91.5	93.2	95.0	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 1200	85.2	92.0	93.7	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
GE 1000	85.4	92.7	94.5	96.5	96.5	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 900	85.7	93.2	95.2	97.7	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 800	85.7	93.2	95.2	97.7	97.7	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 700	85.7	93.2	95.2	97.7	97.7	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 600	95.7	93.2	95.7	98.2	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 500	95.9	93.5	96.0	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 400	95.9	93.5	96.0	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	95.9	93.5	96.2	98.7	98.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	95.9	93.5	96.2	98.7	98.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	95.9	93.5	96.2	98.7	98.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	85.9	93.5	96.2	98.7	98.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 398

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	51.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 20000	66.7	75.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 18000	66.7	75.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 16000	66.7	75.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 14000	66.7	75.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 12000	66.7	75.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 10000	71.2	80.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 9000	72.7	81.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 8000	75.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 7000	75.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 6000	77.3	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 5000	77.3	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 4000	77.3	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 4000	77.3	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	77.3	89.4	90.9	90.9	90.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3000	78.8	90.9	92.4	92.4	92.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	78.8	90.9	92.4	92.4	92.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2000	78.8	90.9	92.4	92.4	92.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1900	78.8	90.9	92.4	92.4	92.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	78.8	90.9	92.4	93.9	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	78.8	90.9	92.4	93.9	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1000	78.8	92.4	93.9	95.5	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 80	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	78.8	93.9	95.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 66

GLOBAL CLIMATOLOGY BRANCH
USAFTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.0	46.1	47.1	48.1	48.2	48.6	48.7	48.7	48.9	49.0	49.0	49.1	49.3	49.5	49.6	
GE 20000	49.7	54.9	56.1	57.2	57.4	57.8	57.9	57.9	58.1	58.7	58.3	58.4	58.6	59.0	59.1	
GE 18000	50.0	55.4	56.5	57.7	57.8	58.3	58.4	58.4	58.6	59.8	58.8	58.9	59.1	59.4	59.6	
GE 16000	50.0	55.4	56.5	57.7	57.8	58.3	58.4	58.4	58.6	59.8	58.8	58.9	59.1	59.4	59.6	
GE 14000	50.3	55.7	56.8	58.0	58.1	58.6	58.7	58.7	58.9	59.1	59.1	59.2	59.4	59.7	59.9	
GE 12000	52.4	58.0	59.1	60.3	60.4	60.9	61.0	61.0	61.4	61.4	61.4	61.7	62.0	62.2		
GE 10000	56.8	62.8	63.9	65.2	65.4	65.8	65.9	65.9	66.2	66.3	66.3	66.5	66.6	67.0	67.2	
GE 9000	56.9	63.0	64.1	65.4	65.6	66.0	66.1	66.1	66.3	66.5	66.5	66.6	66.8	67.2	67.3	
GE 8000	60.7	67.2	68.3	69.8	69.9	70.4	70.5	70.5	70.8	70.9	70.9	71.1	71.2	71.6	71.8	
GE 7000	61.1	67.7	68.9	70.3	70.5	71.0	71.1	71.1	71.3	71.5	71.5	71.6	71.8	72.2	72.4	
GE 6000	61.8	68.5	69.7	71.1	71.3	71.8	71.9	71.9	72.2	72.4	72.5	72.7	73.1	73.3		
GE 5000	62.8	69.7	70.9	72.4	72.6	73.1	73.3	73.3	73.5	73.7	73.7	73.8	74.0	74.4	74.7	
GE 4500	63.0	69.8	71.1	72.6	72.8	73.4	73.5	73.5	73.8	74.0	74.0	74.1	74.3	74.7	74.9	
GE 4000	63.8	70.7	72.1	73.6	73.8	74.4	74.5	74.5	74.8	75.0	75.0	75.1	75.3	75.7	75.9	
GE 3500	65.0	72.1	73.5	75.0	75.3	75.9	76.1	76.1	76.3	76.5	76.6	76.8	77.3	77.5		
GE 3000	67.0	74.6	76.3	78.2	78.5	79.2	79.3	79.3	79.6	79.8	79.8	80.1	80.5	80.7		
GE 2500	68.9	77.0	78.7	80.7	81.9	81.6	81.8	81.8	82.1	82.2	82.2	82.4	82.5	83.0	83.2	
GE 2000	70.5	79.0	80.9	83.0	83.3	84.1	84.4	84.4	84.7	84.9	84.9	85.0	85.2	85.6	85.8	
GE 1800	71.1	79.7	81.6	83.7	84.0	84.8	85.1	85.1	85.4	85.6	85.6	85.7	85.9	86.3	86.5	
GE 1500	74.0	83.3	85.3	87.7	88.0	88.9	89.2	89.2	89.5	89.6	89.6	89.8	89.9	90.4	90.6	
GE 1200	74.5	83.9	86.0	88.7	89.0	89.9	90.2	90.2	90.5	90.6	90.6	90.8	90.9	91.4	91.6	
GE 1000	75.2	85.2	87.4	90.2	90.5	91.6	92.0	92.0	92.3	92.5	92.5	92.6	92.8	93.2	93.4	
GE 900	75.4	85.5	87.8	90.7	91.0	92.1	92.5	92.5	92.8	93.0	93.0	93.1	93.3	93.7	93.9	
GE 800	76.0	86.1	98.4	91.3	91.6	93.0	93.6	93.6	93.9	94.1	94.1	94.3	94.5	94.9	95.1	
GE 700	76.1	86.3	88.6	91.6	91.9	93.3	93.9	93.9	94.3	94.5	94.5	94.7	94.8	95.3	95.5	
GE 600	76.3	86.7	89.3	92.2	92.7	94.1	94.7	94.7	95.0	95.2	95.2	95.4	95.6	96.0	96.2	
GE 500	76.7	87.3	89.9	93.2	93.6	95.1	95.9	95.9	96.4	96.7	96.9	97.1	97.6	97.8		
GE 400	76.7	87.5	90.1	93.5	94.0	95.6	96.6	96.6	97.1	97.4	97.4	97.6	97.8	98.3	98.5	
GE 300	76.8	87.5	90.3	93.8	94.4	96.1	97.5	97.5	98.3	98.7	98.7	99.0	99.2	99.4	99.7	
GE 200	76.8	87.5	90.3	93.8	94.4	96.1	97.5	97.5	98.3	98.7	98.7	99.0	99.2	99.4	99.7	
GE 100	76.8	87.5	90.3	93.8	94.4	96.1	97.5	97.5	98.3	98.7	98.7	99.0	99.2	99.4	99.7	
GE 0	76.8	87.5	90.3	93.8	94.4	96.1	97.5	97.5	98.3	98.7	98.7	99.0	99.2	99.4	99.7	

TOTAL NUMBER OF OBSERVATIONS: 2348

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.1	44.8	50.3	54.7	54.7	57.0	58.4	58.4	59.1	59.6	59.6	60.7	60.7	60.9	61.4	
GE 20000	39.5	48.7	54.7	67.5	60.5	63.2	64.6	64.6	66.0	66.5	66.5	67.6	67.6	67.8	68.7	
GE 18000	39.8	49.2	55.2	61.1	61.1	63.7	65.1	65.1	66.7	67.3	67.3	68.3	68.3	68.5	69.4	
GE 16000	35.8	49.2	55.2	61.1	61.1	63.7	65.1	65.1	66.7	67.3	67.3	68.3	68.3	68.5	69.4	
GE 14000	40.7	50.3	56.3	62.1	62.1	64.8	66.2	66.2	67.6	68.3	68.3	69.4	69.4	69.6	70.4	
GE 12000	42.7	52.4	58.6	64.4	64.4	67.1	68.5	68.5	70.1	70.6	70.6	71.7	71.7	71.9	72.7	
GE 10000	45.0	55.4	62.7	68.7	68.8	71.9	73.3	73.3	75.0	75.6	75.6	76.6	76.6	76.8	77.7	
GE 9000	45.0	55.6	62.8	68.8	69.0	72.0	73.5	73.5	75.2	75.8	75.8	76.8	76.8	77.0	77.9	
GE 8000	46.4	58.1	65.5	71.5	71.7	74.7	76.1	76.1	77.9	78.4	78.4	79.5	79.5	79.6	80.5	
GE 7000	46.4	58.4	66.2	72.4	72.6	75.6	77.0	77.0	78.8	79.3	79.3	80.4	80.4	80.5	81.4	
GE 6000	47.4	59.6	67.6	73.8	74.0	77.0	78.4	78.4	80.2	80.7	80.7	81.8	81.8	81.9	82.8	
GE 5000	47.8	60.2	68.1	74.3	74.5	77.5	78.9	78.9	80.7	81.2	81.2	82.3	82.3	82.5	83.4	
GE 4500	48.1	60.5	68.5	74.7	74.9	77.9	79.3	79.3	81.1	81.6	81.6	82.7	82.7	82.8	83.7	
GE 4000	48.3	60.9	68.8	75.0	75.2	78.4	79.8	79.8	81.6	82.1	82.1	83.2	83.2	83.4	84.2	
GE 3500	49.2	61.9	70.1	76.3	76.5	79.6	81.1	81.1	92.8	87.4	83.4	84.4	84.4	84.6	85.5	
GE 3000	49.7	62.7	70.8	77.0	77.2	80.4	81.8	81.8	83.5	84.1	84.1	85.1	85.1	85.3	86.2	
GE 2500	50.8	63.9	72.2	78.4	78.6	81.9	83.4	83.4	85.1	85.7	85.7	86.7	86.7	86.9	87.8	
GE 2700	51.9	65.1	73.8	80.4	80.5	83.9	85.3	85.3	87.3	87.8	87.8	88.8	88.8	89.2	90.1	
GE 1800	51.9	65.1	73.8	80.5	80.7	84.1	85.5	85.5	87.4	88.0	88.0	89.0	89.0	89.4	90.3	
GE 1500	52.4	65.7	74.5	81.2	81.4	85.0	86.4	86.4	88.3	89.0	89.0	90.3	90.3	90.6	91.5	
GE 1200	52.4	65.7	74.9	82.5	82.8	86.7	88.1	88.1	90.3	91.0	91.0	92.2	92.2	92.6	93.5	
GE 1000	52.7	66.0	75.2	83.7	84.2	88.3	89.7	89.7	92.4	93.3	93.3	94.5	94.5	94.9	95.8	
GE 900	52.7	66.0	75.2	83.7	84.2	88.3	89.7	89.7	92.4	93.3	93.3	94.5	94.5	94.9	95.8	
GE 800	53.3	66.5	75.8	84.2	85.0	89.0	90.4	90.4	93.1	94.0	94.0	95.2	95.2	95.6	96.5	
GE 700	53.6	66.9	76.1	85.1	85.8	89.9	91.5	91.5	94.2	95.0	95.0	96.3	96.3	96.6	97.5	
GE 600	53.8	67.1	76.3	85.3	86.0	90.1	91.9	91.9	94.5	95.4	95.4	96.6	96.6	97.0	97.9	
GE 500	53.8	67.1	76.3	85.3	86.4	90.4	92.6	92.7	95.4	96.3	96.3	97.5	97.5	97.9	98.9	
GE 400	54.0	67.4	76.6	85.7	86.7	90.8	92.9	93.1	95.8	96.6	96.6	97.9	97.9	98.2	99.3	
GE 300	54.0	67.4	76.6	85.7	86.7	90.8	93.1	93.3	96.1	97.0	97.0	98.2	98.2	98.6	99.6	
GE 200	54.0	67.4	76.6	85.7	86.7	90.8	93.1	93.3	96.1	97.0	97.0	98.2	98.2	98.9	100.0	
GE 100	54.0	67.4	76.6	85.7	86.7	90.8	93.1	93.3	96.1	97.0	97.0	98.2	98.2	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	46.7	52.7	55.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 2000	52.9	61.3	64.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 1800	53.3	62.1	64.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 1600	53.3	62.1	64.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 1400	54.0	62.7	65.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
GE 1200	56.8	65.6	68.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GE 1000	59.0	69.4	72.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
GE 900	59.2	69.5	72.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	
GE 800	60.8	71.6	75.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	
GE 700	61.1	71.9	75.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	
GE 600	62.2	73.0	76.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	
GE 500	62.4	73.3	77.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
GE 450	62.5	73.5	77.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	
GE 400	63.8	74.8	78.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
GE 350	64.8	75.7	79.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	
GE 300	66.7	77.6	81.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	
SE 250	69.0	80.3	85.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
GE 200	71.1	83.3	88.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 180	71.4	83.7	88.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
GE 150	72.2	84.8	90.0	93.0	93.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
GE 120	73.2	85.7	91.3	94.6	94.8	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
GE 100	74.0	86.8	92.9	96.7	96.8	97.5	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 90	74.3	87.1	93.2	97.0	97.1	97.8	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 80	74.4	87.3	93.3	97.3	97.5	98.4	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 70	74.4	87.3	93.3	97.3	97.6	98.6	99.0	99.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 60	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 50	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 40	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 30	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 20	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 10	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	74.4	87.3	93.5	97.5	97.8	98.9	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1C	GE 6	GE 5	GF 4	GE 3	GE 2	1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	.2	46.5	52.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 20000	.2	56.9	64.6	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 18000	.2	57.2	65.3	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 16000	.2	57.2	65.3	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 14000	.2	58.4	66.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 12000	.2	61.9	70.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 10000	.2	63.3	71.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 9000	.2	63.8	72.3	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	.2	66.3	75.0	76.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 7000	.2	66.9	75.7	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 6000	.2	68.0	76.8	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 5000	.2	68.5	77.3	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4000	.2	68.8	77.7	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 40000	.2	69.3	78.4	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	.2	70.0	79.4	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 3000	.2	72.7	82.6	85.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	.2	74.8	84.9	88.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2000	.2	77.2	88.3	92.1	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1900	.2	77.5	88.8	92.6	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1500	.2	78.2	89.9	93.8	95.3	95.5	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	.2	79.0	90.8	94.6	96.3	96.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	.2	79.4	91.3	95.3	97.5	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	.2	79.5	91.4	95.5	97.7	97.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	.2	79.7	91.6	95.6	97.8	98.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	.2	79.7	91.6	95.6	97.8	98.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	.2	79.7	91.6	95.6	97.8	98.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	.2	79.7	91.6	95.8	98.0	98.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	.2	79.7	91.6	95.8	98.0	98.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	.2	79.7	91.6	95.8	98.0	98.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	.2	79.7	91.6	95.8	98.0	98.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	.2	79.7	91.6	95.8	98.0	98.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	.2	79.7	91.6	95.8	98.0	98.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CILIL 1	47.3	55.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 200001	58.7	68.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
GE 140001	58.7	68.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
GE 167001	58.7	68.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
GE 145001	59.4	68.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	
GE 120001	61.7	70.4	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
GE 180001	63.0	72.7	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
GE 97001	63.7	73.4	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	
GE 80001	67.0	77.4	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
GE 70001	67.7	78.8	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 67001	68.1	79.7	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	
GE 57001	68.6	80.1	84.1	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 45001	68.6	80.1	84.1	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 40001	68.8	81.1	85.0	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
GE 35001	70.2	82.4	86.4	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
GE 30001	70.9	83.4	87.5	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	
GE 25001	71.2	86.1	90.5	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
GE 27001	73.9	87.8	92.1	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 18001	74.4	88.2	92.8	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 15001	74.6	88.7	93.5	95.2	95.2	95.8	95.8	95.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
GE 12001	74.6	88.7	93.5	95.4	95.4	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 10001	74.8	89.1	94.5	97.2	97.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 9001	74.8	89.1	94.5	97.2	97.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 8001	74.8	89.1	94.5	97.2	97.2	98.2	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 7001	74.8	89.1	94.5	97.2	97.2	98.2	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 6001	74.8	89.1	94.5	97.2	97.2	98.2	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 4001	74.8	89.1	94.7	97.5	97.5	98.6	98.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 3001	74.8	89.1	94.7	97.5	97.5	98.6	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 2001	74.8	89.1	94.7	97.5	97.5	98.6	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GF 1001	74.8	89.1	94.7	97.5	97.5	98.6	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 71	74.8	89.1	94.7	97.5	97.5	98.6	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	45.2	50.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	57.6	53.6	53.6	53.6	53.6	53.6	53.6	
GE 20000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 18000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 16000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 14000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	77.4	73.8	73.8	73.8	73.8	73.8	73.8	
GE 12000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	77.4	73.8	73.8	73.8	73.8	73.8	73.8	
GE 10000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	77.4	73.8	73.8	73.8	73.8	73.8	73.8	
GE 9000	58.3	69.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	77.4	73.8	73.8	73.8	73.8	73.8	73.8	
GE 8000	61.9	73.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	
GE 7000	61.9	73.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	
GE 6000	63.1	77.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	
GE 5000	66.7	81.0	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 4500	66.7	81.0	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 4000	67.9	82.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	
GE 3500	69.0	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 3000	70.2	85.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 2500	70.2	85.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 2000	70.2	86.9	95.2	95.2	95.2	95.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 1800	70.2	86.9	95.2	95.2	95.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 1500	70.2	88.1	97.6	97.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 1200	70.2	88.1	97.6	97.6	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 1000	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	103.0	100.0	100.0	100.0	100.0	
GE 900	71.4	89.3	98.8	98.8	98.8	98.8	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	103.0	100.0	100.0	100.0	100.0	
GE 600	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	103.0	100.0	100.0	100.0	100.0	
GE 500	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 50	71.4	89.3	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUDING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	GE 1 10	VISIBILITY IN STATUTE MILES															
		GE EE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1/2	1	1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	.0	44.1	51.1	54.3	55.9	55.9	56.5	56.8	56.8	57.0	57.1	57.1	57.4	57.4	57.4	57.4	57.5
GE 200001	.0	51.9	60.6	64.1	66.2	66.2	66.8	67.2	67.2	67.5	67.6	67.6	67.9	67.9	67.9	67.9	68.2
GE 180001	.0	52.2	61.1	64.6	66.7	66.7	67.3	67.7	67.7	68.1	68.2	68.2	68.5	68.5	68.5	68.5	68.7
GE 160001	.0	52.2	61.1	64.6	66.7	66.7	67.3	67.7	67.7	68.1	68.2	68.2	68.5	68.5	68.5	68.5	68.7
GE 140001	.0	53.0	62.0	65.5	67.5	67.5	68.2	69.5	69.5	69.9	69.9	69.9	69.3	69.3	69.3	69.4	69.6
GE 120001	.0	55.5	64.5	68.1	72.2	72.2	70.8	71.2	71.2	71.6	71.7	71.7	72.0	72.0	72.0	72.0	72.2
GE 100001	.0	57.4	67.2	71.1	73.4	73.4	74.1	74.5	74.5	74.9	75.0	75.0	75.3	75.3	75.3	75.3	75.6
GE 90001	.0	57.7	67.5	71.5	73.7	73.7	74.5	74.8	74.8	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.9
GE 80001	.0	59.9	70.3	74.8	77.1	77.1	77.9	78.2	78.2	78.6	78.8	78.8	79.0	79.0	79.0	79.1	79.3
GE 70001	.0	60.3	70.9	75.5	77.9	77.9	78.6	79.0	79.0	79.4	79.5	79.5	79.8	79.8	79.8	79.9	80.1
GE 60001	.0	61.2	72.1	76.9	79.3	79.4	80.2	80.5	80.5	80.9	81.1	81.1	81.3	81.3	81.3	81.4	81.6
GE 50001	.0	61.7	72.7	77.4	79.9	79.9	80.7	81.1	81.1	81.5	81.6	81.6	81.9	81.9	81.9	81.9	82.1
GE 45001	.0	61.9	72.9	77.6	80.1	80.2	80.9	81.3	81.3	81.7	81.8	81.8	82.1	82.1	82.1	82.1	82.4
GE 40001	.0	62.5	73.7	78.5	81.0	81.1	81.9	82.2	82.2	82.7	82.8	82.8	83.1	83.1	83.1	83.1	83.3
GE 35001	.0	63.5	74.8	79.7	82.3	82.4	83.2	83.5	83.5	84.0	84.1	84.1	84.4	84.4	84.4	84.4	84.6
GE 30001	.0	65.0	76.6	81.7	84.4	84.5	85.3	85.7	85.7	86.1	86.2	86.2	86.5	86.5	86.5	86.5	86.7
GE 25001	.0	66.9	78.8	84.1	87.0	87.0	88.0	88.3	88.3	88.7	88.9	88.9	89.1	89.1	89.1	89.2	89.4
GE 20001	.0	68.5	81.1	86.7	89.8	89.9	91.0	91.3	91.3	91.9	92.1	92.1	92.3	92.3	92.3	92.4	92.6
GE 18001	.0	68.7	81.4	87.1	90.2	90.3	91.4	91.7	91.7	92.3	92.5	92.5	92.7	92.7	92.7	92.8	93.0
GE 15001	.0	69.3	82.3	88.1	91.3	91.4	92.8	93.2	93.2	93.8	94.0	94.0	94.3	94.3	94.3	94.4	94.6
GE 12001	.0	69.8	82.8	88.8	92.3	92.5	94.1	94.6	94.6	95.2	95.4	95.4	95.7	95.7	95.7	95.8	96.0
GE 10001	.0	70.2	83.4	89.7	93.9	94.1	95.8	96.3	96.3	97.2	97.4	97.4	97.7	97.7	97.7	97.8	98.1
GE 9001	.0	70.4	83.5	89.8	94.0	94.2	95.9	96.4	96.4	97.4	97.6	97.6	97.9	97.9	97.9	98.0	98.2
GE 8001	.0	70.6	83.8	90.0	94.3	94.5	96.3	96.9	96.9	97.8	98.1	98.1	98.4	98.4	98.4	98.5	98.7
GE 7001	.0	70.7	83.8	90.1	94.5	94.8	96.6	97.2	97.2	98.1	98.4	98.4	98.7	98.7	98.8	99.0	99.0
GE 6001	.0	70.7	83.9	90.2	94.6	94.9	96.7	97.4	97.4	98.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9
GE 5001	.0	70.7	83.9	90.3	94.7	95.1	97.0	97.7	97.8	98.7	99.0	99.0	99.3	99.3	99.3	99.4	99.7
GE 4001	.0	70.8	84.0	90.4	94.8	95.1	97.1	97.9	97.9	98.9	99.2	99.2	99.5	99.5	99.5	99.6	99.8
GE 3001	.0	70.8	84.0	90.4	94.8	95.1	97.1	97.9	97.9	98.0	99.0	99.3	99.6	99.6	99.7	99.9	99.9
GE 2001	.0	70.8	84.0	90.4	94.8	95.1	97.1	97.9	98.0	99.0	99.3	99.3	99.6	99.6	99.7	100.0	100.0
GE 1001	.0	70.8	84.0	90.4	94.8	95.1	97.1	97.9	98.0	99.0	99.3	99.3	99.6	99.6	99.7	100.0	100.0
GE 01	.0	70.8	84.0	90.4	94.8	95.1	97.1	97.9	98.0	99.0	99.3	99.3	99.6	99.6	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2308

GLOBAL CLIMATOLOGY BRANCH
ISAFAETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.4	38.6	43.5	48.9	50.4	53.9	55.8	55.8	56.3	56.5	56.5	57.1	57.2	58.9	59.9	
GE 20000	52.3	44.8	50.0	56.7	58.2	62.6	64.5	64.5	65.6	66.7	66.0	66.5	66.7	68.6	69.7	
GE 18000	52.7	45.4	50.6	57.4	58.9	63.4	65.2	65.2	66.4	66.7	66.7	67.3	67.5	69.3	70.4	
GE 16000	52.7	45.4	50.6	57.4	58.9	63.4	65.2	65.2	66.4	66.7	66.7	67.3	67.5	69.3	70.4	
GE 14000	52.1	45.7	50.9	57.8	59.5	63.9	65.8	65.8	66.9	67.3	67.3	67.8	68.0	69.9	71.0	
GE 12000	57.0	50.0	55.8	63.0	64.7	69.1	71.0	71.0	72.1	72.5	72.5	73.0	73.2	75.1	76.2	
GE 10000	55.4	53.5	59.7	68.2	69.9	75.1	77.0	77.0	78.4	79.8	78.8	79.7	79.9	82.0	83.1	
GE 9000	55.6	53.7	59.9	68.6	70.3	75.5	77.3	77.3	78.8	79.2	79.2	80.1	80.3	82.3	83.5	
GE 8000	42.0	56.5	63.0	71.7	73.6	79.0	80.9	80.9	82.5	83.9	82.9	84.0	84.2	86.4	87.7	
GE 7000	42.0	56.5	63.0	71.7	73.6	79.0	80.9	80.9	82.5	82.9	82.9	84.0	84.2	86.4	87.7	
GE 6000	42.4	56.9	63.9	73.2	75.1	80.7	82.5	82.5	84.2	84.6	84.6	85.7	85.9	88.1	89.4	
GE 5000	42.9	57.4	64.5	74.0	75.8	81.6	83.5	83.5	85.1	85.5	85.5	86.6	86.8	89.0	90.3	
GE 4500	42.9	57.4	64.5	74.0	75.8	81.6	83.5	83.5	85.1	85.5	85.5	86.6	86.8	89.0	90.3	
GE 4000	41.1	57.6	64.9	74.5	76.4	82.3	84.2	84.2	85.9	86.2	86.2	87.4	87.5	89.8	91.1	
GE 3500	41.7	58.6	65.8	75.5	77.3	83.3	85.1	85.1	86.8	87.2	87.2	88.3	88.5	90.7	92.0	
GE 3000	41.9	59.1	66.5	76.6	78.4	84.4	86.2	86.2	88.3	89.7	89.8	90.0	92.2	93.5		
GE 2500	44.2	59.7	67.1	77.1	79.0	84.9	86.8	86.8	88.6	89.2	89.2	90.3	90.5	92.8	94.1	
GE 2000	44.6	67.2	67.8	77.9	79.7	85.7	87.5	87.5	89.6	90.0	90.0	91.1	91.3	93.5	94.8	
GE 1800	44.8	60.2	67.8	77.9	79.7	85.7	87.5	87.5	89.6	90.0	90.0	91.1	91.3	93.5	94.8	
GE 1500	45.4	61.0	68.8	79.0	80.9	87.0	89.2	89.2	91.3	91.6	91.6	92.8	92.9	95.2	96.5	
GE 1200	45.5	61.2	69.1	79.6	81.4	87.7	90.0	90.0	92.0	92.4	92.4	93.5	93.7	95.9	97.2	
GE 1000	45.7	61.3	69.5	80.9	82.7	89.0	91.3	91.3	93.3	97.7	97.7	94.8	95.0	97.2	98.5	
GE 900	45.9	61.5	69.7	81.0	82.9	89.2	91.4	91.4	93.5	93.9	93.9	95.0	95.2	97.4	98.7	
GE 800	45.9	61.5	69.7	81.2	83.1	89.4	91.6	91.6	93.7	94.1	94.1	95.2	95.4	97.6	98.9	
GE 700	45.9	61.5	69.7	81.2	83.1	89.4	91.6	91.6	93.7	94.1	94.1	95.2	95.4	97.6	98.9	
GE 600	45.9	61.5	69.7	81.2	83.1	89.4	91.6	91.6	93.7	94.1	94.1	95.2	95.4	97.6	98.9	
GE 500	46.3	62.1	70.4	82.0	83.8	90.1	92.4	92.4	94.4	95.0	95.0	96.1	96.3	98.5	99.8	
GE 400	46.3	62.1	70.4	82.0	83.8	90.1	92.4	92.4	94.4	95.0	95.0	96.1	96.3	98.5	99.8	
GE 300	46.3	62.1	70.4	82.0	83.8	90.1	92.4	92.4	94.4	95.0	95.0	96.1	96.3	98.5	99.8	
GE 200	46.3	62.1	70.4	82.0	83.8	90.1	92.4	92.4	94.4	95.0	95.0	96.1	96.3	98.5	99.8	
GE 100	46.3	62.1	70.4	82.0	83.8	90.1	92.4	92.4	94.4	95.0	95.0	96.3	96.5	98.7	100.0	
GE 0	46.3	62.1	70.4	82.0	83.8	90.1	92.4	92.4	94.4	95.0	95.0	96.3	96.5	98.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 538

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10	8	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	GE 1/4	GE 0	
NO CEIL	40.4	47.2	51.1	55.2	55.4	56.4	56.5	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 20000	47.3	55.1	59.4	63.8	63.9	64.9	65.1	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 18000	48.0	55.7	60.1	64.4	64.6	65.7	65.7	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 16000	48.3	55.7	60.2	64.6	64.7	65.7	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 14000	45.4	57.3	61.8	66.2	66.3	67.3	67.5	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	
GE 12000	53.6	61.5	66.0	72.4	72.5	71.5	71.7	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	
GE 10000	58.8	67.0	71.5	76.2	76.3	77.6	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	
GE 9000	55.1	67.3	71.8	76.5	76.7	77.9	78.1	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	
GE 8000	61.6	70.7	75.8	80.5	80.7	82.0	82.1	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE 7000	62.0	70.9	76.0	80.8	81.0	82.3	82.4	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
GE 6000	62.0	71.0	76.5	81.5	81.6	82.9	83.1	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 5000	62.8	71.8	77.3	82.4	82.6	84.1	84.2	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	
GE 4500	62.8	71.8	77.3	82.4	82.6	84.1	84.2	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	
GE 4000	63.1	72.1	77.6	82.9	83.1	84.5	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	
GE 3500	63.9	72.9	78.4	83.7	83.9	85.3	85.5	85.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
GE 3000	65.4	74.4	80.0	85.3	85.5	87.0	87.1	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	
GE 2500	66.3	75.7	81.3	86.6	86.8	88.2	88.4	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
GE 2000	68.8	78.7	84.4	89.9	90.0	91.5	91.6	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
GE 1800	65.2	79.4	85.0	92.5	92.7	92.1	92.3	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
GE 1500	70.4	81.3	87.3	93.1	93.2	94.8	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
GE 1200	70.7	81.6	87.9	93.7	93.9	95.5	95.8	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1000	71.8	82.9	89.5	95.3	95.5	97.4	97.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 900	72.0	83.1	89.7	95.5	95.7	97.7	98.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 800	72.0	83.1	89.7	95.5	95.7	97.7	98.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 700	72.0	87.1	89.7	95.5	95.7	97.7	98.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 600	72.0	82.1	89.7	95.5	95.7	97.9	98.2	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 500	72.1	87.3	89.9	95.7	95.8	98.1	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 400	72.1	83.3	90.0	95.8	96.1	98.4	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	72.1	83.3	90.0	95.8	96.1	98.4	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 200	72.1	83.3	90.0	95.8	96.1	98.4	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 100	72.1	83.3	90.0	95.8	96.1	98.4	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 0	72.1	83.3	90.0	95.8	96.1	98.4	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS: 621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

NO	CEIL	VISIBILITY IN STATUTE MILES																
		IN	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GL 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4
	38.3	38.3	44.3	48.4	51.4	51.4	51.4	51.4	51.4	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE	20000	47.8	55.3	60.2	63.1	63.1	63.1	63.1	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE	18000	48.1	55.7	60.5	63.4	63.4	63.4	63.4	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE	16000	48.1	55.7	60.5	63.4	63.4	63.4	63.4	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE	14000	49.0	56.6	61.4	64.3	64.3	64.3	64.3	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE	12000	52.8	60.7	65.5	68.4	68.4	68.4	68.4	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE	10000	55.5	64.0	68.8	72.1	72.2	72.8	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE	9000	56.0	64.5	69.3	72.6	72.8	73.3	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE	8000	58.1	66.9	71.9	75.3	75.5	76.0	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE	7000	58.6	67.4	72.4	75.9	76.0	76.6	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE	6000	59.0	67.8	72.8	76.2	76.4	76.9	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE	5000	60.5	69.5	74.7	78.1	78.3	78.8	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE	4500	64.6	69.8	75.0	78.6	78.6	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	4000	61.4	73.3	75.5	79.0	79.1	79.7	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE	3500	62.4	71.4	76.6	80.3	80.5	81.0	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	3000	64.7	73.6	79.0	83.6	83.8	84.3	84.8	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE	2500	67.2	76.9	82.8	87.4	87.6	88.6	89.1	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	2000	69.5	80.5	86.7	91.4	91.6	92.6	93.1	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	1800	69.8	80.9	87.1	91.7	91.9	92.9	93.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE	1500	72.7	82.8	89.5	94.7	94.8	95.9	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	1200	72.9	83.4	90.2	95.3	95.5	96.6	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GF	1000	71.4	84.0	90.7	96.2	96.4	97.6	98.3	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	900	71.6	84.1	90.9	96.4	96.6	97.8	98.4	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	800	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	700	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	600	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	500	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	50	71.7	84.8	91.6	97.1	97.2	98.4	99.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 76-87
MONTH: JUL HOURS/LSTI: 1500-1700

TOTAL NUMBER OF OBSERVATIONS: 353

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LT): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	39.2	49.0	54.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 20000	45.1	58.8	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	45.1	58.8	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	45.1	58.8	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 14000	45.1	58.8	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 12000	52.9	68.6	74.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 10000	56.9	72.5	78.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 9000	58.8	74.5	80.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 8000	58.8	76.5	82.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 7000	58.8	76.5	82.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	67.8	78.4	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000	62.7	82.4	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4500	62.7	82.4	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4000	62.7	82.4	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3500	62.7	84.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 3000	62.7	84.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	64.7	88.2	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	64.7	88.2	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1900	64.7	88.2	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 100	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 71	64.7	88.2	94.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 51

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): ALL

NO CEIL	VISIBILITY IN STATUTE MILES																	
	IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE 20000	36.5	44.2	48.7	52.2	52.6	53.8	54.6	54.6	54.9	55.0	55.1	55.2	55.6	55.8	56.1	56.4	56.8	56.1
GE 18000	43.7	53.1	57.9	62.0	62.4	63.9	64.6	64.6	65.1	65.2	65.2	65.3	65.4	65.8	66.0	66.4	66.7	
GE 16000	44.1	53.6	58.4	62.6	63.0	64.5	65.2	65.2	65.7	65.8	65.8	65.9	66.0	66.0	66.5	66.6		
GE 14000	45.0	54.6	59.4	63.6	64.1	65.6	66.3	66.3	66.8	66.9	66.9	67.0	67.1	67.5	67.8			
GE 12000	45.1	58.9	64.0	68.3	68.8	70.2	71.0	71.0	71.4	71.5	71.5	71.7	71.7	72.2	72.5			
GE 10000	52.4	62.7	67.8	72.6	73.2	75.0	75.8	75.8	76.3	76.4	76.4	76.7	76.7	77.2	77.5			
GE 9000	52.7	63.0	68.2	73.0	73.6	75.5	76.2	76.2	76.8	76.9	76.9	77.1	77.1	77.6	77.9			
GE 8000	54.9	65.7	71.1	76.0	76.6	78.5	79.3	79.3	79.9	80.0	80.0	80.3	80.4	80.9	81.2			
GE 7000	55.2	66.0	71.4	76.4	77.0	78.9	79.7	79.7	80.3	80.4	80.4	80.7	80.7	81.3	81.6	P1.6		
GE 6000	55.6	66.4	72.1	77.3	77.9	79.8	80.6	80.6	81.2	81.3	81.3	81.6	81.7	82.2	82.5			
GE 5000	56.7	67.7	73.5	78.8	79.4	81.4	82.2	82.2	82.8	82.9	82.9	83.2	83.2	83.8	84.1			
GE 4000	56.8	67.8	73.6	78.9	79.5	81.5	82.3	82.3	82.9	83.0	83.0	83.3	83.3	83.9	84.2			
GE 3000	57.2	68.2	74.1	79.4	80.0	82.1	82.8	82.8	83.5	83.6	83.6	83.9	83.9	84.5	84.8			
GE 2500	57.9	69.1	75.0	80.4	81.0	83.1	83.9	83.9	84.6	84.6	84.6	85.0	85.0	85.5	85.9			
GE 2000	59.4	70.7	76.9	82.8	83.5	85.7	86.4	86.4	87.3	87.4	87.4	87.6	87.6	87.7	88.2	P8.6		
GE 25000	60.9	73.0	79.4	85.4	86.1	88.5	89.2	89.2	90.1	90.2	90.2	90.5	90.5	91.1	91.4			
GE 20000	62.5	75.3	81.8	87.9	88.6	90.9	91.7	91.7	92.6	92.7	92.7	93.0	93.0	93.6	93.9			
GE 18000	62.8	75.6	82.2	88.2	88.9	91.3	92.0	92.0	93.0	93.0	93.0	93.4	93.4	93.9	94.3			
GE 15000	63.5	77.0	83.9	90.4	91.1	93.6	94.4	94.4	95.4	95.5	95.5	95.8	95.8	96.4	96.7			
GE 12000	63.7	77.4	84.4	90.9	91.6	94.1	95.0	95.0	96.0	96.1	96.1	96.4	96.5	97.0	97.3			
GE 10000	64.3	78.1	85.3	92.1	92.6	95.4	96.4	96.4	97.4	97.5	97.5	97.9	97.9	98.5	98.8			
GE 9000	64.5	78.2	85.4	92.2	93.0	95.6	96.5	96.5	97.6	97.7	97.7	98.0	98.1	98.7	99.0			
GE 8000	64.5	78.4	85.7	92.6	93.3	96.0	96.9	96.9	97.9	98.1	98.1	98.5	98.5	99.1	99.4			
GE 7000	64.5	78.4	85.7	92.6	93.3	96.0	96.9	96.9	97.9	98.1	98.1	98.5	98.5	99.1	99.4			
GE 6000	64.5	79.4	85.7	92.6	93.4	96.1	97.0	97.0	97.6	98.0	98.2	98.6	98.6	99.2	99.5			
GE 5000	64.7	78.6	85.9	92.8	93.6	96.3	97.2	97.2	97.8	98.3	98.5	98.9	98.9	99.5	99.9			
GE 4000	64.7	78.6	86.0	92.9	93.7	96.4	97.3	97.3	97.9	98.4	98.6	99.0	99.0	99.6	100.0			
GE 3000	64.7	78.6	86.0	92.9	93.7	96.4	97.3	97.3	97.9	98.4	98.6	99.0	99.0	99.6	100.0			
GE 2000	64.7	78.6	86.0	92.9	93.7	96.4	97.3	97.3	97.9	98.4	98.6	99.0	99.0	99.6	100.0			
GE 1000	64.7	78.6	86.0	92.9	93.7	96.4	97.3	97.3	97.9	98.4	98.6	99.0	99.1	99.7	100.0			
GE 0	64.7	78.6	86.0	92.9	93.7	96.4	97.3	97.3	97.9	98.4	98.6	99.0	99.1	99.7	100.0			

TOTAL NUMBER OF OBSERVATIONS: 2143

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GL 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL 1	26.2	32.9	38.9	45.6	46.8	50.9	52.4	52.4	55.6	56.0	56.0	58.1	68.7	62.4	64.0			
GE 200001	25.7	38.0	44.6	52.3	53.6	58.3	60.3	60.3	63.6	64.2	64.2	66.7	67.5	71.8	73.6			
GE 180001	25.7	38.7	45.4	53.0	54.4	59.1	61.1	61.1	64.4	65.0	65.0	67.5	68.3	72.6	74.4			
GE 160001	25.7	38.7	45.4	53.0	54.4	59.1	61.1	61.1	64.4	65.7	65.7	67.5	68.3	72.6	74.4			
GE 140001	25.9	38.9	45.6	53.2	54.6	59.3	61.4	61.4	64.8	65.6	65.6	68.1	68.9	73.2	75.0			
GE 120001	31.9	40.5	47.4	55.4	56.8	61.8	64.0	64.0	67.3	68.1	68.1	70.6	71.4	75.7	77.5			
GE 100001	33.5	47.4	50.7	59.5	60.9	66.3	68.7	68.7	72.0	73.7	73.7	75.7	76.5	80.8	82.8			
GE 90001	33.7	43.6	50.9	59.7	61.1	66.5	68.9	68.9	72.4	73.4	73.4	76.1	76.9	81.2	83.2			
GE 80001	34.6	45.0	52.8	62.4	63.8	69.7	72.2	72.2	75.7	76.9	76.9	79.6	80.4	84.7	86.7			
GE 70001	34.6	45.2	53.0	62.6	64.0	69.9	72.6	72.6	76.1	77.3	77.3	80.0	80.8	85.1	87.1			
GE 60001	35.2	45.8	53.6	63.2	64.6	70.5	73.2	73.2	76.7	77.9	77.9	80.8	81.6	85.9	87.9			
GE 50001	35.6	46.4	54.2	63.8	65.2	71.0	74.0	74.0	77.5	79.7	79.7	81.6	82.4	86.7	88.6			
GE 45001	35.8	46.4	54.2	63.8	65.2	71.0	74.0	74.0	77.5	79.7	79.7	81.6	82.4	86.7	88.6			
GE 40001	35.8	46.6	54.4	64.0	65.4	71.2	74.2	74.2	77.7	79.9	79.9	81.8	82.6	86.9	88.8			
GE 35001	36.2	47.4	55.2	64.8	66.1	72.0	75.0	75.0	78.5	79.6	79.6	82.6	83.4	87.7	89.6			
GE 32001	36.6	47.7	55.6	65.4	66.7	72.6	75.5	75.5	79.1	80.2	80.2	83.2	84.0	88.3	90.2			
GE 250001	37.3	48.3	56.2	65.9	67.3	73.2	76.1	76.1	79.6	80.8	80.8	83.9	84.5	88.8	91.0			
GE 200001	37.8	49.1	56.9	66.7	68.7	74.8	77.9	77.9	81.8	83.2	83.2	86.1	86.9	91.2	93.3			
GE 190001	37.8	49.1	56.9	66.7	68.7	74.8	77.9	77.9	81.8	83.2	83.2	86.1	86.9	91.2	93.3			
GE 150001	38.6	49.9	57.9	68.1	70.3	76.3	79.5	79.5	83.4	84.7	84.7	87.7	88.5	92.8	94.9			
GE 120001	38.7	50.1	58.3	69.7	70.8	77.5	80.6	80.6	84.5	85.9	85.9	88.9	89.6	93.9	96.1			
GE 100001	38.9	50.5	58.7	69.7	72.0	78.7	81.8	81.8	86.5	87.9	87.9	90.8	91.6	95.9	98.0			
GE 90001	38.9	50.5	58.7	69.7	72.0	78.9	82.0	82.0	86.7	88.1	88.1	91.3	91.8	96.1	98.2			
GE 80001	38.9	50.5	58.7	69.9	72.4	79.6	82.8	82.8	87.7	89.0	89.0	92.3	92.8	97.1	99.2			
GE 70001	38.9	50.5	58.7	69.9	72.4	79.8	83.0	83.0	87.9	89.2	89.2	92.2	93.0	97.3	99.4			
GE 60001	38.9	50.5	58.7	69.9	72.6	80.0	83.2	83.2	88.1	89.4	89.4	92.4	93.2	97.5	99.6			
GE 50001	38.9	50.5	58.7	69.9	72.6	80.3	83.2	83.2	88.1	89.4	89.4	92.4	93.2	97.5	99.6			
GE 40001	38.9	50.5	58.7	69.9	72.6	80.0	83.2	83.2	88.1	89.4	89.4	92.4	93.2	97.5	99.6			
GE 30001	38.9	50.5	58.7	69.9	72.8	80.2	83.4	83.4	88.3	89.6	89.6	92.6	93.3	97.4	99.8			
GE 20001	38.9	50.5	58.7	69.9	72.8	80.2	83.4	83.6	88.5	89.8	89.8	92.8	93.5	97.8	100.0			
GE 10001	38.9	50.5	58.7	69.9	72.8	80.2	83.4	83.6	88.5	89.8	89.8	92.8	93.5	97.8	100.0			
GE 01	38.9	50.5	58.7	69.9	72.8	80.2	83.4	83.6	88.5	89.8	89.8	92.8	93.5	97.8	100.0			

TOTAL NUMBER OF OBSERVATIONS: 511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1 1/2	1 1/4	1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	32.9	41.4	48.0	50.9	51.0	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
GE 20000	38.2	49.0	56.4	59.9	60.1	62.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 18000	39.5	50.4	57.8	61.4	61.5	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 16000	39.5	50.4	57.8	61.4	61.5	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 14000	39.8	50.7	58.1	61.7	61.8	64.4	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
GE 12000	41.4	52.7	60.1	63.6	63.8	66.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	
GE 10000	43.6	55.6	63.4	67.1	67.3	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
GE 9000	43.6	55.9	63.6	67.5	67.6	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
GE 8000	45.7	59.3	67.3	71.3	71.5	74.1	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
GE 7000	46.2	59.9	68.1	72.1	72.3	74.9	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	
GE 6000	46.7	60.4	66.6	72.8	72.9	75.5	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	
GE 5000	47.5	61.4	69.6	73.8	73.9	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
GE 4000	47.7	61.5	69.7	73.9	74.1	76.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
GE 4000	47.7	61.5	69.7	73.9	74.1	76.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
GE 3500	48.1	62.2	70.4	74.9	75.0	77.6	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 3000	49.9	63.9	72.1	76.7	76.8	79.5	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	
GE 2500	53.6	68.4	77.3	81.6	81.8	84.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
GE 2000	57.5	73.3	82.0	87.4	87.6	90.8	92.1	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
GE 1800	57.8	73.6	82.4	87.9	88.1	91.3	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE 1500	59.6	75.5	84.7	97.2	98.3	93.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 1200	59.9	76.3	85.8	91.3	91.8	95.0	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 1000	60.2	76.8	86.6	92.1	92.6	95.8	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 900	60.2	76.8	86.6	92.1	92.6	95.8	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 800	60.2	76.8	87.1	92.9	93.4	96.6	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 700	60.2	77.0	87.3	93.1	93.6	96.3	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 600	60.4	77.1	87.6	93.6	94.0	97.3	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 500	60.4	77.1	87.6	93.7	94.2	97.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 400	60.4	77.1	87.6	93.7	94.2	97.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 300	60.4	77.1	87.6	93.7	94.2	97.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 200	60.4	77.1	87.6	93.7	94.2	97.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 100	60.4	77.1	87.6	93.7	94.2	97.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 0	60.4	77.1	87.6	93.7	94.2	97.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS: 621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

CEILING IN FEET	VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 78-87 MONTH: AUG HOURS(LST): 1200-1400	
	GE 1	GE 10	GE 6	GE 5	GF 4	GE 3	GE 2	1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.6	37.5	43.2	45.8	46.0	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	34.9	45.2	52.5	55.3	55.8	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 18000	35.2	46.0	53.4	56.1	56.6	59.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	35.2	46.0	53.4	56.1	56.6	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 14000	35.7	46.5	53.8	56.6	57.1	59.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	38.5	49.9	57.9	60.7	61.2	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	42.2	54.3	62.4	65.5	66.0	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
SE 9000	42.2	54.3	62.4	65.5	66.0	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 8000	45.3	57.8	66.0	69.6	70.0	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 7000	45.7	58.1	66.3	70.0	70.5	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 6000	47.1	59.6	67.8	71.5	72.0	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	47.3	59.7	67.9	71.8	72.3	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4500	48.0	60.4	68.6	72.5	73.0	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4000	48.4	67.9	69.1	73.0	73.5	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	49.6	62.5	70.9	75.0	75.5	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3000	52.2	66.0	74.8	79.2	79.7	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 2500	55.0	70.4	79.9	84.9	85.4	87.7	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	57.8	74.0	84.1	89.9	90.3	93.0	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	57.8	74.1	84.3	90.0	90.5	93.1	93.9	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1500	55.4	75.9	86.4	92.8	93.5	96.1	96.9	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	55.9	76.4	86.9	93.3	93.9	96.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	55.9	76.4	86.9	93.3	93.9	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	55.9	76.4	86.9	93.3	93.9	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	60.2	76.6	87.6	93.9	94.6	97.5	98.4	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	60.4	76.9	87.7	94.1	94.8	97.7	98.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	60.4	76.9	87.7	94.1	94.8	97.7	98.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	60.4	76.9	87.7	94.4	95.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	60.4	76.9	87.7	94.4	95.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	60.4	76.9	87.7	94.4	95.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	60.4	76.9	87.7	94.4	95.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	60.4	76.9	87.7	94.4	95.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	60.4	76.9	87.7	94.4	95.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE 0
NO CEIL	27.9	39.1	44.8	46.6	46.6	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	35.7	49.2	58.9	62.8	62.8	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 18000	35.7	49.2	58.9	62.8	62.8	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 16000	35.7	49.2	58.9	62.8	62.8	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 14000	36.5	50.3	60.2	64.1	64.1	65.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 12000	38.0	52.4	63.0	67.2	67.2	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 10000	42.4	57.8	68.0	72.1	72.1	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 9000	42.7	58.1	68.2	72.4	72.4	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 8000	44.8	60.4	70.6	75.5	75.5	77.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	45.6	61.2	71.4	76.3	76.3	78.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 6000	47.4	63.0	73.2	78.1	78.4	80.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 5000	47.7	63.5	73.7	78.6	78.9	80.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 4500	47.7	63.5	73.7	78.6	78.9	80.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 4000	47.9	64.1	74.2	79.9	80.2	82.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3500	49.0	65.9	76.6	82.3	82.6	84.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3000	51.6	69.5	80.5	86.2	86.5	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 2500	53.4	71.6	83.1	89.3	89.8	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	55.5	74.7	86.5	93.0	93.5	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1800	55.5	74.7	86.5	93.0	93.5	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	55.7	75.0	87.0	93.5	94.0	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	55.7	75.0	87.2	93.8	94.3	96.6	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 100	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 01	55.7	75.0	87.2	93.8	94.3	96.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 384

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-87
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.9	45.9	49.2	52.5	52.5	54.1	54.1	54.1	55.7	56.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 2000	32.8	54.1	63.9	70.5	70.5	72.1	72.1	72.1	73.8	77.0	73.8	73.8	73.8	73.8	73.8	73.8
GE 1800	32.6	54.1	63.9	70.5	70.5	72.1	72.1	72.1	73.8	77.0	73.8	73.8	73.8	73.8	73.8	73.8
GE 1600	32.8	54.1	63.9	70.5	70.5	72.1	72.1	72.1	73.8	77.0	73.8	73.8	73.8	73.8	73.8	73.8
GE 1400	34.4	55.7	65.6	72.1	72.1	73.8	73.8	73.8	75.4	79.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 1200	36.1	57.4	68.9	75.4	75.4	77.0	77.0	77.0	78.7	79.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1000	36.3	62.3	73.8	82.0	82.0	83.6	83.6	83.6	85.2	86.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 900	36.3	62.3	73.8	82.0	82.0	83.6	83.6	83.6	85.2	86.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 800	36.3	62.3	73.8	82.0	82.0	83.6	83.6	83.6	85.2	86.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 700	42.6	65.6	78.7	86.9	86.9	88.5	88.5	88.5	90.2	90.7	90.2	90.2	90.2	90.2	90.2	90.2
GE 600	44.3	67.2	82.0	90.2	90.2	91.8	91.8	91.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 500	44.3	67.2	82.0	90.2	90.2	91.8	91.8	91.8	93.4	97.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 400	44.3	67.2	82.0	90.2	90.2	91.8	91.8	91.8	93.4	97.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 350	44.3	67.2	82.0	90.2	90.2	91.8	91.8	91.8	93.4	97.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 300	44.3	67.2	82.0	90.2	90.2	93.4	93.4	93.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 250	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 200	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 180	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 150	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 120	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 80	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 70	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 60	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 40	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	45.9	68.9	83.6	91.8	91.8	95.1	95.1	95.1	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 61

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: ALC HOURS/STATION: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	25.4	38.0	44.0	47.5	47.9	50.1	50.8	50.8	51.6	51.7	51.7	52.2	52.3	53.2	53.6
GE 20000	34.7	45.5	53.2	57.6	58.1	60.7	61.6	61.6	62.4	62.6	63.2	63.3	64.4	64.8	
GE 18000	35.1	46.3	54.0	58.5	59.0	61.5	62.4	62.4	63.3	63.4	64.0	64.2	65.2	65.6	
GE 16000	35.1	46.3	54.0	58.5	59.0	61.5	62.4	62.4	63.3	63.4	64.0	64.2	65.2	65.6	
GE 14000	35.6	46.8	54.6	59.0	59.5	62.1	63.0	63.0	63.8	64.2	64.6	64.8	65.8	66.2	
GE 12000	37.4	49.2	57.3	61.8	62.3	65.1	66.0	66.0	66.9	67.0	67.6	67.8	68.8	69.2	
GE 10000	40.5	53.0	61.2	66.2	66.7	69.5	70.5	70.5	71.3	71.6	72.2	72.4	73.4	73.9	
GE 9000	40.6	53.2	61.4	66.4	66.9	69.7	70.7	70.7	71.6	71.8	72.4	72.6	73.6	74.1	
GE 8000	42.7	55.8	64.3	69.8	70.3	73.3	74.3	74.3	75.2	75.5	76.1	76.3	77.3	77.7	
GE 7000	43.1	56.4	64.9	70.5	71.0	73.9	75.1	75.1	76.0	76.2	76.9	77.1	78.1	78.5	
GE 6000	44.2	57.4	66.0	71.6	72.2	75.1	76.3	76.3	77.1	77.4	78.1	78.3	79.3	79.8	
GE 5000	44.7	58.0	66.6	72.2	72.8	75.7	76.9	76.9	77.8	78.1	78.7	78.9	79.9	80.4	
GE 4000	44.9	58.2	66.8	72.4	73.0	76.0	77.1	77.1	78.0	78.3	79.3	79.2	80.2	80.6	
GE 4000	45.1	58.5	67.1	72.9	73.4	76.4	77.6	77.6	78.4	79.7	79.7	79.6	80.6	81.0	
GE 3500	45.8	59.6	68.4	74.3	74.8	77.8	79.0	79.0	79.8	80.1	80.8	81.0	82.0	82.4	
GE 3000	47.6	61.8	70.7	76.8	77.3	80.5	81.7	81.7	82.7	83.0	83.6	83.8	84.8	85.3	
GE 2500	49.9	64.9	74.2	80.5	81.1	84.4	85.7	85.9	87.0	87.3	87.3	88.0	88.2	89.2	89.7
GE 2000	52.3	68.0	77.6	84.4	85.1	88.7	90.3	90.4	91.8	92.1	92.1	92.8	93.0	94.0	94.5
GE 1800	52.4	68.1	77.7	84.6	85.3	88.8	90.4	90.6	92.0	92.3	92.3	93.0	93.1	94.2	94.7
GE 1600	53.6	69.4	79.3	86.4	87.2	90.9	92.5	92.6	94.0	94.3	94.3	95.0	95.2	96.3	96.8
GE 1400	53.8	69.8	79.9	87.0	87.9	91.7	93.4	93.6	94.9	95.2	95.2	95.9	96.1	97.2	97.7
GE 1000	54.0	70.0	80.2	87.5	88.4	92.3	94.1	94.2	95.8	96.1	96.1	96.8	97.0	98.1	98.6
GE 900	54.0	70.0	80.2	87.5	88.4	92.3	94.1	94.1	95.8	96.2	96.2	96.9	97.1	98.1	98.6
GE 800	54.1	70.1	80.5	87.9	88.9	92.9	94.7	94.9	96.5	96.9	96.8	97.5	97.7	98.8	99.3
GE 700	54.1	70.2	80.6	88.0	89.0	93.1	94.9	95.1	96.7	97.0	97.0	97.3	97.9	99.0	99.5
GE 600	54.2	70.2	80.7	88.2	89.2	93.2	95.1	95.2	96.8	97.2	97.2	97.9	98.1	99.2	99.7
GE 500	54.2	70.2	80.7	88.3	89.4	93.4	95.2	95.4	97.0	97.3	97.3	98.4	99.4	99.9	
GE 400	54.2	70.2	80.7	88.3	89.4	93.4	95.2	95.4	97.0	97.3	97.3	98.4	99.4	99.9	
GE 300	54.2	70.2	80.7	88.3	89.4	93.5	95.3	95.5	97.1	97.4	97.4	98.2	98.4	99.5	100.0
GE 200	54.2	70.2	80.7	88.3	89.4	93.5	95.3	95.5	97.1	97.4	97.4	98.3	98.4	99.5	100.0
GE 100	54.2	70.2	80.7	88.3	89.4	93.5	95.3	95.5	97.1	97.4	97.4	98.3	98.4	99.5	100.0
GE 0	54.2	70.2	80.7	88.3	89.4	93.5	95.3	95.5	97.1	97.4	97.4	98.3	98.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 2188

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	27.1	34.7	39.3	45.7	46.3	51.1	53.3	53.3	55.5	56.5	56.5	59.1	59.1	62.1	65.3			
GE 20000	30.1	37.9	42.7	49.9	50.5	55.3	57.7	57.7	60.5	61.5	61.5	64.3	64.5	67.7	71.5			
GE 18000	30.1	37.9	42.7	49.9	50.5	55.3	57.7	57.7	60.5	61.5	61.5	64.3	64.5	67.7	71.5			
GE 16000	30.1	37.9	42.7	49.9	50.5	55.3	57.7	57.7	60.5	61.5	61.5	64.3	64.5	67.7	71.5			
GE 14000	30.7	38.5	43.3	50.5	51.1	55.9	58.3	58.3	61.1	62.1	62.1	64.9	65.1	68.3	72.1			
GE 12000	31.3	39.1	44.1	51.7	52.3	57.3	59.7	59.7	62.7	63.7	63.7	66.7	66.9	70.5	74.3			
GE 10000	32.3	40.9	45.9	54.1	54.7	59.7	62.1	62.1	65.1	66.1	66.1	69.1	69.3	73.1	77.0			
GE 9000	32.7	41.3	46.3	54.7	55.3	60.3	62.7	62.7	65.7	66.7	66.7	69.7	69.7	73.7	77.6			
GE 8000	35.1	44.3	49.9	58.7	59.3	64.5	66.9	66.9	69.9	71.1	71.1	74.3	74.5	78.2	82.2			
GE 7000	35.3	44.5	50.3	59.1	59.7	64.9	67.3	67.3	70.3	71.5	71.5	74.7	74.9	78.8	82.8			
GE 6000	35.9	45.5	51.3	60.1	60.7	66.1	68.5	68.5	71.7	72.9	72.9	76.3	76.2	80.2	84.2			
GE 5000	36.5	46.1	51.9	60.9	61.5	66.9	69.3	69.3	72.5	73.7	73.7	76.8	77.0	81.0	85.0			
GE 4500	37.3	47.1	52.9	61.9	62.5	67.9	70.3	70.3	73.5	74.7	74.7	77.8	78.0	82.0	86.0			
GE 4000	38.5	48.7	54.5	63.7	64.3	69.7	72.1	72.1	75.2	76.4	76.4	79.6	79.8	83.8	87.8			
GE 3500	38.5	48.7	54.5	63.7	64.3	69.7	72.1	72.1	75.2	76.4	76.4	79.6	79.8	83.8	87.8			
GE 3000	36.7	48.9	54.7	64.5	65.3	70.7	73.1	73.1	76.2	77.4	77.4	80.6	80.8	84.8	88.8			
GE 2500	35.9	50.1	55.9	65.7	66.5	71.9	74.3	74.3	77.4	78.6	78.6	81.8	82.0	86.0	90.0			
GE 2000	40.5	50.9	56.9	66.7	67.5	73.1	75.4	75.4	78.8	80.0	80.0	83.4	83.6	87.6	91.6			
GE 1800	40.5	50.9	56.9	66.7	67.5	73.3	75.6	75.6	79.0	80.2	80.2	83.6	83.8	87.8	91.8			
GE 1500	42.5	50.9	57.1	66.9	67.7	74.3	76.6	76.6	80.2	81.4	81.4	85.0	85.2	89.2	93.2			
GE 1200	41.3	51.7	57.9	67.7	68.5	75.2	77.6	77.6	81.2	82.4	82.4	86.2	86.4	90.4	94.4			
GE 1000	41.7	52.3	58.7	69.5	70.3	77.0	79.4	79.4	83.4	84.6	84.6	88.4	88.6	92.6	96.6			
GE 900	41.9	52.5	59.3	70.1	70.9	77.6	80.0	80.0	84.0	85.2	85.2	89.0	89.2	93.2	97.2			
GE 800	41.9	52.5	59.3	70.1	70.9	77.6	80.0	80.0	84.0	85.2	85.2	89.0	89.2	93.2	97.2			
GE 700	41.9	52.5	59.5	70.3	71.1	77.8	80.2	80.2	84.2	85.4	85.4	89.2	89.4	93.4	97.4			
GE 600	41.9	52.5	59.5	71.3	71.1	77.8	80.2	80.2	84.2	85.4	85.4	89.2	89.4	93.4	97.4			
GE 500	42.3	52.9	60.3	71.5	72.3	79.2	81.8	81.8	85.8	87.0	87.0	90.8	91.0	95.0	99.0			
GE 400	42.2	52.9	60.3	71.5	72.3	79.2	81.8	81.8	85.8	87.0	87.0	90.8	91.0	95.0	99.0			
GE 300	42.3	52.9	60.3	71.7	72.5	79.6	82.2	82.2	86.2	87.4	87.4	91.2	91.4	95.4	99.4			
GE 200	42.3	52.9	60.3	71.7	72.5	79.6	82.2	82.2	86.2	87.4	87.4	91.2	91.4	95.4	99.6			
GE 100	42.3	52.9	60.3	71.7	72.5	79.6	82.2	82.2	86.2	87.4	87.4	91.2	91.4	95.4	99.6			
GE 0	42.3	52.9	60.3	71.7	72.5	79.6	82.2	82.2	86.2	87.4	87.4	91.2	91.4	95.4	100.0			

TOTAL NUMBER OF OBSERVATIONS: 501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	1 1/2	GE 1 1/4	GE 1	GE 1/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	45.3	53.5	56.8	59.6	59.6	59.8	60.0	63.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 20000	.2	51.0	60.2	63.7	66.9	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 18000	.2	51.0	60.2	63.7	66.9	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	.2	51.0	60.2	63.7	66.9	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 14000	.2	51.7	60.9	64.6	67.8	67.8	68.0	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	.2	52.6	61.9	65.7	68.8	68.8	69.0	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 10000	.2	53.5	63.9	67.8	71.2	71.2	71.3	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	.2	53.8	64.2	68.1	71.5	71.5	71.7	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 8000	.2	59.3	70.1	74.7	78.1	78.1	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 7000	.2	64.2	71.0	75.6	78.9	78.9	79.1	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 6000	.2	64.9	71.7	76.3	79.6	79.6	79.8	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 5000	.2	61.1	71.9	76.5	79.8	79.8	80.0	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4500	.2	61.6	72.4	77.0	80.4	80.4	80.5	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4000	.2	61.8	73.1	77.9	81.2	81.2	81.4	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3500	.2	62.1	73.5	78.2	81.6	81.6	81.8	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 3000	.2	63.4	74.7	80.2	83.5	83.5	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	.2	67.4	78.9	84.6	88.0	88.0	88.1	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	.2	70.3	81.9	87.6	91.2	91.2	91.5	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1900	.2	70.8	82.7	88.3	91.9	91.9	92.2	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800	.2	71.9	84.2	90.3	94.2	94.2	95.2	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1200	.2	72.0	84.4	90.4	94.3	94.3	95.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	.2	72.4	85.3	91.3	95.6	95.6	96.8	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	.2	72.6	85.5	91.5	95.8	95.8	97.3	97.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	.2	72.6	85.5	91.5	96.1	96.1	97.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	.2	72.6	85.5	91.5	96.1	96.1	97.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	.2	72.6	85.5	91.5	96.1	96.1	97.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	.2	72.6	85.5	91.7	96.5	96.5	98.1	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	.2	72.6	85.5	91.7	96.5	96.5	98.4	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	.2	72.6	85.5	91.7	96.5	96.6	98.4	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	.2	72.6	85.5	91.7	96.5	96.6	98.4	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	.2	72.6	85.5	91.7	96.5	96.6	98.4	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	.2	72.6	85.5	91.7	96.5	96.6	98.4	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746952 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-67

MONTH: SEP HOURS(LST): 1200-1400

TOTAL NUMBER OF OBSERVATIONS: 511

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1500-1700

TOTAL NUMBER OF OBSERVATIONS: 275

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILEING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746957 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79,81-85,87
MONTH: SEP HOURS(LST): 1800-2000

TOTAL NUMBER OF OBSERVATIONS: 50

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(1ST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 1 1/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CLOUD	75.6	46.5	50.5	54.0	54.2	55.6	56.3	56.3	56.9	57.1	57.1	57.8	57.8	58.6	59.5			
GE 20000	.1	45.9	53.7	58.2	62.3	62.5	64.0	64.7	64.7	65.5	65.7	66.5	66.5	67.4	68.4			
GE 18000	.1	45.9	53.7	58.2	62.3	62.5	64.0	64.7	64.7	65.5	65.7	66.5	66.5	67.4	68.4			
GE 16000	.1	45.9	53.7	58.2	62.3	62.5	64.0	64.7	64.7	65.5	65.7	66.5	66.5	67.4	68.4			
GE 14000	.1	46.5	54.5	59.0	63.2	63.4	64.8	65.5	65.5	66.6	66.6	67.3	67.4	68.2	69.2			
GE 12000	.1	47.8	56.0	60.7	65.0	65.2	66.7	67.4	67.4	68.5	68.5	69.3	69.4	70.4	71.4			
GE 10000	.1	49.3	58.2	63.0	67.5	67.7	69.2	69.9	69.9	70.8	71.7	71.8	71.9	72.9	74.0			
GE 9000	.1	49.5	58.5	63.3	67.9	68.1	69.6	70.2	70.2	71.1	71.4	72.2	72.2	73.2	74.3			
GE 8000	.1	52.7	62.9	68.1	72.9	73.1	74.7	75.3	75.3	76.2	76.5	77.4	77.4	78.4	79.5			
GE 7000	.1	54.5	63.6	69.1	73.9	74.1	75.6	76.3	76.3	77.2	77.5	78.3	78.4	79.4	80.5			
GE 6000	.1	54.9	64.4	69.7	74.4	74.7	76.2	76.9	76.9	77.8	78.2	79.0	79.1	80.1	81.2			
GE 5000	.1	55.2	64.7	69.9	74.8	75.0	76.6	77.3	77.3	78.2	78.5	79.3	79.4	80.4	81.5			
GE 4000	.1	55.7	65.3	70.6	75.4	75.6	77.2	77.9	77.9	78.8	79.1	80.0	80.0	81.1	82.1			
GE 4000	.1	56.4	66.6	72.1	76.9	77.2	78.7	79.4	79.4	80.3	80.7	81.5	81.6	82.6	83.7			
GE 3500	.1	57.1	67.3	72.8	77.7	77.9	79.5	80.2	80.2	81.1	81.5	82.3	82.4	83.4	84.5			
GE 3000	.1	58.4	68.8	74.7	79.8	P0.0	81.6	82.3	82.3	83.2	83.5	84.4	84.4	85.5	86.6			
GE 2500	.1	61.7	72.4	78.4	83.6	83.9	85.5	86.2	86.2	87.1	87.4	88.3	88.3	89.4	90.4			
GE 2000	.1	62.8	74.9	81.0	86.3	86.6	88.3	89.0	89.0	90.0	90.3	91.2	91.3	92.3	93.4			
GE 1800	.1	64.0	75.2	81.3	86.6	86.9	88.7	89.4	89.4	90.4	90.7	91.6	91.7	92.7	93.8			
GE 1500	.1	64.6	75.9	82.5	87.9	88.2	90.5	91.2	91.2	92.3	92.6	93.6	93.6	94.7	95.7			
GE 1200	.1	64.8	76.3	82.9	89.6	89.8	91.3	92.0	92.0	93.0	93.4	94.4	94.4	95.5	96.5			
GE 1000	.1	65.2	76.9	83.6	89.8	90.1	92.6	93.3	93.3	94.6	94.9	95.9	96.0	97.0	98.1			
GE 900	.1	65.4	77.0	83.8	90.0	90.3	92.8	93.5	93.5	94.8	95.1	96.1	96.2	97.2	98.3			
GE 800	.1	65.4	77.0	83.8	90.1	90.4	93.0	93.7	93.7	95.0	95.3	96.3	96.3	97.4	98.5			
GE 700	.1	65.4	77.0	83.8	90.2	90.5	93.0	93.8	93.8	95.1	95.4	96.4	96.4	97.5	98.6			
GE 600	.1	65.4	77.0	83.8	90.2	90.5	93.0	93.8	93.8	95.1	95.4	96.4	96.4	97.5	98.6			
GE 500	.1	65.5	77.2	84.2	91.0	91.1	93.7	94.6	94.6	95.9	96.2	96.2	97.2	97.3	98.4	99.4		
GE 400	.1	65.5	77.2	84.4	91.0	91.1	93.8	95.0	95.0	96.2	96.5	97.6	97.6	98.7	99.7			
GE 300	.1	65.5	77.2	84.2	93.9	91.2	93.9	95.1	95.1	96.3	96.7	97.7	97.7	98.8	99.8			
GE 200	.1	65.5	77.2	84.2	90.9	91.2	93.9	95.1	95.1	96.3	96.7	97.7	97.7	98.8	99.9			
GE 100	.1	65.5	77.2	84.2	97.9	91.2	93.9	95.1	95.1	96.7	96.7	97.7	97.7	98.8	100.0			

TOTAL NUMBER OF OBSERVATIONS: 1962

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC											PERIOD OF RECORD: 77-96										
											MONTH: OCT HOURS(LST): 0600-0800										
CEILING IN FEET	VISIBILITY IN STATUTE MILES																				
	10	GE	GE	GF	GE	GE	GE	GE	2	1/2	2	1/2	1	1/4	1	7/4	5/8	GE	GE	GE	GE
NO CEIL	1	24.2	30.1	33.1	37.9	38.1	40.3	42.1	42.1		43.7	46.3	45.7	47.3	47.3	47.3	47.3	50.3	57.5		
GE 200001		26.7	32.5	35.5	40.5	40.7	43.5	45.5	45.5		47.3	49.4	49.3	51.3	51.3	54.5	52.3				
GE 180001		26.9	32.7	35.9	47.9	41.1	43.9	45.9	45.9		47.7	49.3	49.7	51.7	51.7	54.9	52.7				
GE 160001		26.9	32.7	35.9	40.9	41.1	43.9	45.9	45.9		47.7	49.3	49.7	51.7	51.7	54.9	52.7				
GE 140001		27.3	33.1	36.3	41.3	41.5	46.3	46.3	46.3		48.1	49.7	50.1	52.1	52.1	55.3	53.1				
GE 120001		28.3	34.1	37.3	42.3	42.5	45.3	47.3	47.3		49.1	50.7	51.1	53.3	53.3	56.5	54.5				
GE 100001		30.3	36.3	39.5	44.7	44.9	48.5	50.5	50.5		52.5	54.1	54.5	56.7	56.7	59.9	68.5				
GE 90001		36.5	36.5	39.7	44.9	45.1	48.9	50.9	50.9		52.9	54.7	55.1	57.3	57.3	63.5	69.1				
GE 80001		37.3	40.7	44.5	57.3	50.5	54.5	56.7	56.7		58.7	67.5	60.9	63.1	63.1	65.3	74.9				
GE 70001		37.5	41.1	44.9	50.9	51.1	55.1	57.3	57.3		59.5	61.3	61.7	63.9	63.9	67.1	75.6				
GE 60001		37.9	41.5	45.5	51.5	51.7	55.7	57.9	57.9		60.1	61.9	62.3	64.5	64.5	67.7	76.4				
GE 50001		34.7	42.3	46.3	52.3	52.5	56.5	58.7	58.7		60.9	67.7	63.1	65.5	65.5	68.7	77.4				
GE 40001		35.1	42.7	46.7	52.7	52.9	56.9	59.1	59.1		61.3	67.1	63.5	65.9	65.9	69.1	77.8				
GE 40001		35.9	43.7	47.9	54.1	54.3	58.3	60.5	60.5		62.7	64.5	64.9	67.3	67.3	70.5	79.2				
GE 35001		36.3	44.1	48.3	54.5	54.7	58.7	60.9	60.9		63.1	64.9	65.3	67.7	67.7	72.9	79.6				
GE 30001		36.7	45.3	49.5	55.9	56.1	63.1	62.3	62.3		64.7	66.5	66.9	69.3	69.3	72.5	P1.2				
GE 25001		37.5	46.7	51.1	57.7	57.9	61.9	64.1	64.1		66.5	69.3	69.7	71.1	71.1	74.3	P3.0				
GE 20001		37.9	47.3	51.7	58.5	59.1	63.1	65.3	65.3		67.7	69.5	69.9	72.3	72.3	75.6	P4.4				
GE 18001		38.5	47.9	52.3	59.3	59.9	63.9	66.1	66.1		68.5	70.7	70.7	73.1	73.1	76.4	P5.2				
GE 15001		38.1	49.3	54.3	61.5	62.1	66.1	68.3	68.3		70.9	72.7	73.1	75.6	75.6	79.0	P7.6				
GE 17001		39.9	50.1	55.1	62.3	62.9	66.9	69.1	69.1		71.7	72.5	72.9	76.6	76.6	80.0	P8.8				
GE 10001		40.4	51.3	56.3	63.5	64.3	69.5	71.7	71.7		74.3	76.7	76.6	79.2	79.2	82.6	91.4				
GE 90001		40.9	51.7	56.7	63.9	64.7	69.9	72.1	72.1		74.7	76.6	77.0	79.6	79.6	83.0	91.8				
GE 80001		40.9	51.7	56.7	63.9	64.7	69.9	72.1	72.1		74.7	76.6	77.0	79.6	79.6	83.0	91.8				
GE 70001		41.3	52.1	57.1	64.5	65.3	70.5	72.7	72.7		75.4	77.2	77.6	80.2	80.2	83.6	92.4				
GE 60001		41.2	52.1	57.1	65.9	71.1	73.3	73.3	73.3		76.0	77.8	78.2	80.8	80.8	84.2	93.0				
GE 50001		41.7	52.1	58.3	66.9	67.7	73.3	76.0	76.0		78.8	87.6	81.0	83.6	83.6	87.0	96.0				
GE 40001		41.7	52.1	58.3	67.1	67.9	73.9	76.6	76.6		79.4	81.0	81.6	84.2	84.2	87.6	96.6				
GE 70001		41.7	52.9	58.3	67.1	68.1	74.3	77.2	77.2		80.0	81.8	82.2	84.8	84.8	89.4	97.4				
GE 20001		41.7	52.9	58.3	67.1	68.1	74.3	77.2	77.2		80.0	81.8	82.2	84.8	84.8	88.4	97.8				
GE 10001		41.7	52.9	58.3	67.1	68.1	74.5	77.4	77.4		80.2	82.0	82.4	85.0	85.0	88.6	99.6				
GE 0001		41.7	52.9	58.3	67.1	68.3	74.5	77.4	77.4		80.2	82.0	82.4	85.0	85.0	88.6	100.0				

TOTAL NUMBER OF OBSERVATIONS: 499

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

TOTAL NUMBER OF OBSERVATIONS: 621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(LST): 1200-1400

TOTAL NUMBER OF OBSERVATIONS: 596

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1	1/2	1	1/4	1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	49.8	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	55.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 18000	64.8	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 16000	64.8	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 14000	64.8	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 12000	62.4	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 10000	68.7	76.3	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 9000	69.4	77.0	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	71.7	78.3	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 7000	71.4	79.3	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 6000	72.1	79.7	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 5000	72.1	80.4	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	72.4	83.6	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4000	73.0	81.6	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	73.7	82.3	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3000	76.3	85.3	86.2	86.2	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2500	77.6	86.9	88.7	88.9	88.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2100	79.0	88.3	90.3	90.8	91.0	91.7	91.7	91.7	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	79.6	88.2	90.3	90.8	91.0	91.7	91.7	91.7	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1500	81.3	93.6	92.6	93.5	93.8	94.5	94.5	94.5	94.5	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	82.0	91.2	93.3	94.2	94.5	95.2	95.2	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	92.7	91.9	94.2	95.2	95.4	96.5	96.5	96.5	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	82.9	92.2	94.5	95.4	95.6	96.8	96.8	96.8	96.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	83.2	92.4	94.9	95.9	96.1	97.5	97.5	97.5	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	83.2	92.4	94.9	95.9	96.1	97.5	97.5	97.5	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	83.2	92.4	94.9	95.9	96.1	97.5	97.5	97.5	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	83.2	92.4	94.9	96.1	96.3	97.7	97.7	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	83.2	92.4	94.9	96.1	96.3	97.7	97.7	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	93.2	92.6	95.2	96.3	96.5	97.9	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	93.2	92.6	95.2	96.3	96.5	97.9	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	93.2	92.6	95.2	96.3	96.5	97.9	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 01	83.2	92.6	95.2	96.3	96.5	97.9	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 434

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 79-86
MONTH: OCT HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GF 3/4	GF 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0
NO CEIL	1.5	6C.3	67.0	67.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 20000	2.9	66.2	75.0	75.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 18000	4.4	69.1	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 16000	4.4	69.1	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 14000	4.4	69.1	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 12000	4.4	69.1	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 10000	4.4	69.1	80.9	80.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 9000	4.4	69.1	80.9	80.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 8000	4.4	7C.6	82.4	82.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 7000	4.4	72.1	83.8	83.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	4.4	72.1	83.8	83.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 5000	4.4	72.1	83.8	83.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	4.4	72.1	83.8	83.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4200	4.4	72.1	83.8	83.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3500	4.4	73.5	85.3	85.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3000	4.4	73.5	85.3	85.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2500	4.4	73.5	86.8	86.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	4.4	76.5	89.7	91.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1800	4.4	76.5	89.7	91.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	4.4	76.5	89.7	91.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	4.4	76.5	89.7	91.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	4.4	77.9	91.2	92.6	95.6	95.6	97.1	97.1	97.1	97.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	4.4	77.9	91.2	92.6	95.6	95.6	97.1	97.1	97.1	97.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	4.4	77.9	91.2	92.6	95.6	95.6	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 68

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	GE 1P	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	.0	43.6	49.3	50.6	51.8	51.9	52.4	52.8	53.1	53.5	53.6	53.9	53.9	54.6	56.3			
GE 20000	.1	49.6	56.0	57.4	58.7	58.8	59.4	59.9	60.3	60.6	60.7	61.2	61.2	61.9	63.7			
GE 18000	.1	52.1	56.7	58.1	59.5	59.5	60.2	60.6	60.6	61.1	61.5	62.0	62.0	62.7	64.5			
GE 16000	.1	52.1	56.7	58.1	59.5	59.5	60.2	60.6	61.1	61.5	61.5	62.0	62.0	62.7	64.5			
GE 14000	.1	52.4	56.9	58.4	59.7	59.8	60.6	61.0	61.0	61.5	61.8	62.4	62.4	63.1	64.9			
GE 12000	.1	52.2	58.9	60.5	61.9	62.0	62.7	63.2	63.2	63.6	64.0	64.1	64.6	64.6	65.3	67.1		
GE 10000	.1	56.3	63.3	65.0	66.7	66.8	67.7	68.2	68.2	68.7	69.0	69.1	69.6	69.6	70.3	72.3		
GE 9000	.1	56.7	63.8	65.6	67.2	67.3	68.3	68.8	68.8	69.2	69.7	70.2	70.2	71.0	72.9			
GE 8000	.1	58.8	66.4	68.4	70.2	70.2	71.3	71.8	71.8	72.3	72.7	72.8	73.3	73.3	74.0	76.0		
GE 7000	.1	59.7	67.6	69.6	71.4	71.5	72.6	73.1	73.1	73.6	74.0	74.1	74.6	74.6	75.4	77.3		
GE 6000	.1	60.1	68.3	70.3	72.1	72.2	73.3	73.8	73.8	74.4	74.8	74.9	75.4	75.4	76.1	78.0		
GE 5000	.1	60.7	69.1	71.2	73.1	73.2	74.3	74.8	74.8	75.3	75.7	75.8	76.4	76.4	77.1	79.0		
GE 4500	.1	61.0	69.3	71.5	73.4	73.5	74.5	75.0	75.0	75.6	76.0	76.1	76.6	76.6	77.4	79.3		
GE 4000	.1	61.4	70.0	72.3	74.2	74.3	75.4	75.9	75.9	76.4	76.9	77.5	77.5	78.2	80.2			
GE 3500	.1	62.3	70.8	73.1	75.1	75.2	76.3	76.8	76.8	77.3	77.7	77.8	78.4	78.4	79.1	81.0		
GE 3000	.1	64.3	73.3	75.7	77.7	77.9	79.0	79.5	79.5	80.1	80.5	80.6	81.2	81.2	81.9	83.8		
GE 2500	.1	65.4	74.9	77.5	80.0	81.2	81.4	81.9	81.9	82.6	83.0	83.1	83.6	83.6	84.3	86.3		
GE 2000	.1	66.8	76.4	79.1	81.8	82.1	83.4	83.9	83.9	84.5	85.0	85.1	85.6	85.6	86.3	88.3		
GE 1800	.1	67.3	76.8	79.5	82.3	82.6	83.9	84.4	84.4	85.0	85.5	85.6	86.1	86.1	86.8	88.8		
GE 1700	.1	68.6	78.5	81.7	84.8	85.1	86.4	86.9	86.9	87.7	88.1	88.2	88.8	88.8	89.6	91.6		
GE 12000	.1	69.3	79.3	82.7	85.7	86.1	87.3	87.8	87.8	88.6	89.0	89.1	89.8	89.8	90.5	92.5		
GE 1000	.1	70.2	80.4	84.1	87.3	87.7	89.4	89.9	89.9	90.9	91.4	91.5	92.1	92.1	92.9	94.9		
GE 900	.1	70.4	80.5	84.2	87.5	87.9	89.6	90.1	90.1	91.2	91.6	91.7	92.3	92.3	93.1	95.1		
GE 800	.1	70.7	80.8	84.7	89.0	88.5	90.3	90.8	90.8	92.0	92.4	92.5	93.4	93.4	94.2	96.2		
GE 700	.1	70.9	81.1	85.0	88.3	88.8	90.7	91.2	91.2	92.4	92.8	92.9	94.0	94.0	94.7	96.7		
GE 600	.1	71.0	81.2	85.2	88.8	89.3	91.2	91.7	91.7	92.9	93.3	93.4	94.5	94.5	95.2	97.2		
GE 500	.1	71.2	81.5	85.7	89.5	90.0	92.1	92.8	92.8	94.1	94.5	95.7	95.7	96.4	98.5			
GE 400	.1	71.2	81.5	85.7	89.6	90.1	92.3	93.1	93.1	94.3	94.7	94.8	95.9	95.9	96.6	98.7		
GE 300	.1	71.2	81.6	85.6	89.8	90.5	92.8	93.5	93.5	94.7	95.2	95.3	96.3	96.3	97.1	99.2		
GE 200	.1	71.2	81.6	85.6	89.8	90.5	92.8	93.5	93.5	94.7	95.2	95.3	96.3	96.4	97.2	99.4		
GE 100	.1	71.2	81.6	85.8	89.8	90.6	92.8	93.6	93.6	94.8	95.3	95.4	96.4	96.5	97.3	99.9		
GE 0	.1	71.2	81.6	85.8	89.8	90.6	92.8	93.6	93.6	94.8	95.7	95.4	96.4	96.5	97.3	100.0		

TOTAL NUMBER OF OBSERVATIONS: 2208

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10 5	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1	1/2	1	1/4	1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	27.3	32.5	35.2	38.2	38.7	41.6	43.3	43.8	44.6	45.3	45.3	47.5	47.5	50.0	51.7			
GE 20000	27.8	33.7	36.5	39.4	39.9	42.9	44.6	45.1	45.8	46.6	46.6	49.3	49.3	51.7	53.4			
GE 18000	27.8	34.2	37.2	40.6	41.1	44.1	45.8	46.3	47.0	47.8	47.8	50.5	50.5	53.0	54.7			
GE 16000	27.8	34.2	37.4	40.9	41.4	44.3	46.1	46.6	47.3	48.0	48.0	50.7	50.7	53.2	54.9			
GE 14000	27.6	34.5	37.7	41.1	41.6	44.6	46.3	46.8	47.5	48.3	48.3	51.0	51.0	53.4	55.2			
GE 12000	26.6	36.2	39.4	42.9	43.3	46.3	48.0	48.5	49.3	50.2	50.2	53.0	53.0	55.4	57.1			
GE 10000	31.0	38.4	41.6	45.6	46.1	49.5	51.2	51.7	52.5	57.7	53.7	56.9	57.4	59.9	61.8			
GE 9000	31.0	33.4	41.6	45.6	46.1	49.5	51.2	51.7	52.5	57.7	53.7	56.9	57.4	59.9	61.8			
GE 8000	33.5	40.9	44.8	49.5	50.2	54.2	56.2	56.7	57.4	58.6	58.6	61.8	62.3	64.8	66.7			
GE 7000	34.7	42.1	46.1	50.7	51.5	55.4	57.6	58.1	58.9	60.1	60.1	63.3	63.8	66.3	68.2			
GE 6000	35.2	42.9	46.8	51.7	52.5	56.4	58.6	59.1	59.9	61.1	61.1	64.3	64.8	67.2	69.2			
GE 5000	36.9	44.6	48.5	53.4	54.2	58.1	60.3	60.8	61.6	67.9	68.2	66.0	66.5	69.0	70.9			
GE 4000	36.9	44.6	48.5	53.4	54.2	58.1	60.3	60.8	61.6	67.8	68.2	66.0	66.5	69.0	70.9			
GE 3000	40.6	48.5	52.7	57.9	58.6	62.6	64.8	65.3	66.0	67.2	67.2	70.4	70.9	73.4	75.4			
GE 3500	41.6	49.5	53.7	58.9	59.6	64.0	66.3	66.7	67.5	68.7	68.7	71.9	72.4	74.9	76.8			
GE 3000	43.1	51.5	55.9	61.3	62.1	67.0	69.2	69.7	70.4	71.9	71.9	75.1	75.6	78.1	80.5			
GE 2500	45.3	53.7	58.1	63.5	64.3	69.2	71.4	71.9	72.7	74.1	74.1	77.3	77.8	80.3	82.8			
GE 2000	46.1	54.4	58.9	64.3	65.0	70.4	72.7	73.2	74.4	75.9	75.9	79.1	80.0	82.5	85.0			
GE 1900	46.1	54.4	58.9	64.5	65.3	70.7	72.9	73.4	74.6	76.1	76.1	79.3	80.3	82.8	85.2			
GE 1800	46.3	55.4	59.9	65.8	66.5	72.2	74.4	74.9	76.1	77.6	77.6	81.0	82.0	84.5	86.9			
GE 1700	47.0	56.2	60.6	66.7	67.5	73.2	75.4	75.9	77.1	79.6	79.6	82.3	83.3	85.7	88.2			
GE 1600	47.3	56.7	61.3	68.0	68.7	74.9	77.3	77.8	79.8	81.5	81.5	85.2	86.2	88.7	91.1			
GE 900	47.3	56.7	61.3	68.0	68.7	74.9	77.6	78.1	80.0	81.9	81.8	85.5	86.5	88.9	91.4			
GE 800	47.5	57.1	62.3	69.0	69.7	75.9	78.6	79.1	81.6	83.5	83.5	87.2	88.2	90.6	93.1			
GE 700	47.5	57.1	62.3	69.0	69.7	75.9	78.6	79.1	81.6	83.5	83.5	87.2	88.2	90.6	93.1			
GE 600	47.5	57.1	62.3	69.0	69.7	75.9	78.6	79.1	81.6	83.5	83.5	87.2	88.2	90.6	93.1			
GE 500	47.5	57.4	63.3	70.4	71.4	79.1	81.3	81.8	84.5	86.2	86.2	89.9	90.9	93.8	96.8			
GE 400	47.5	57.4	63.3	70.4	71.4	79.6	81.8	82.3	85.0	86.7	86.7	90.4	91.4	94.3	97.3			
GE 700	48.0	57.9	63.8	70.9	71.9	79.1	82.5	83.0	85.7	87.7	87.7	91.4	92.4	95.3	98.5			
GE 200	48.0	57.9	63.8	70.9	71.9	79.1	82.5	83.0	85.7	87.7	87.7	91.4	92.4	95.3	99.8			
GE 0	48.0	57.9	63.8	70.9	71.9	79.1	82.5	83.0	85.7	87.7	87.7	91.4	92.4	95.3	100.0			

TOTAL NUMBER OF OBSERVATIONS: 406

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS/LIST: 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	43.7	48.9	50.6	51.6	51.6	51.8	51.8	51.9	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	
GE 20000	47.5	53.3	55.2	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 18000	47.5	53.3	55.2	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 16000	47.5	53.3	55.2	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 14000	47.5	53.3	55.2	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 12000	50.4	56.3	58.2	59.2	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	
GE 10000	51.9	58.2	60.2	62.1	62.1	62.4	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 9000	52.1	58.4	60.4	62.3	62.3	62.6	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 8000	55.3	62.1	65.0	67.5	67.5	67.9	68.0	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	
GE 7000	56.5	63.3	66.2	68.7	68.7	69.0	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 6000	58.4	65.1	68.0	70.6	70.6	70.9	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
GE 5000	59.1	66.0	69.2	71.7	71.7	72.1	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	
GE 4500	59.2	66.2	69.5	72.1	72.1	72.4	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 4000	62.1	69.2	72.6	75.3	75.3	75.6	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
GE 3500	63.1	70.2	73.9	76.8	76.8	77.2	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
GE 3000	64.6	72.1	75.8	78.7	78.7	79.0	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
GE 2500	67.7	75.5	79.2	82.1	82.1	82.4	82.7	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 2000	69.4	77.8	81.6	84.9	84.9	85.6	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
GE 1800	65.7	78.2	81.9	85.3	85.3	86.0	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	
GE 1700	70.2	79.0	82.9	86.5	86.5	88.0	88.5	88.5	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	
GE 1500	70.9	79.7	83.6	87.5	87.5	89.0	89.5	89.5	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
GE 1000	71.6	80.9	84.9	88.8	88.8	90.9	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE 900	71.9	81.2	85.3	89.2	89.2	91.2	91.9	91.9	91.9	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 800	71.9	81.4	85.4	89.5	89.5	91.5	92.2	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 700	72.4	81.9	86.0	90.2	90.2	92.2	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE 600	72.9	82.6	86.6	90.9	90.9	93.1	93.9	93.9	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 500	73.1	82.9	87.1	91.4	91.4	93.6	94.6	94.6	94.6	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	
GE 400	73.1	82.9	87.1	91.4	91.5	93.7	94.9	94.9	94.9	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GE 300	73.1	82.9	87.1	91.5	91.7	94.6	96.1	96.1	96.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 100	73.1	82.9	87.1	91.5	91.7	94.6	96.1	96.1	96.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 0	73.1	82.9	87.1	91.5	91.7	94.6	96.1	96.1	96.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 1/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CETL	50.3	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 20000	55.7	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	56.2	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 16000	56.4	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 14000	57.2	58.1	58.2	59.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 12000	62.7	63.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	64.8	66.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 9000	64.9	66.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 8000	68.2	71.6	71.8	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 7000	69.2	71.6	72.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 6000	69.2	71.6	72.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 5000	70.4	72.9	74.2	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4500	70.6	73.0	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4000	71.5	74.1	75.4	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 3500	72.2	75.1	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3000	75.1	78.4	79.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2500	77.5	80.9	82.5	83.8	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2000	79.0	82.5	84.0	85.9	86.1	86.4	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1800	80.2	83.7	85.2	87.1	87.3	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1500	80.9	85.1	86.6	89.0	89.2	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1200	81.6	85.9	87.8	90.5	90.7	91.8	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1000	92.6	86.9	88.8	91.8	91.9	93.0	93.5	93.5	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
GE 900	81.0	87.3	89.2	92.1	92.3	93.3	93.8	93.8	94.0	94.0	94.0	94.0	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	83.3	87.6	89.5	92.4	92.6	93.6	94.2	94.2	94.5	94.5	94.5	94.5	95.0	95.0	95.0	95.0	95.0	95.0
GE 700	83.7	88.0	89.9	92.8	93.0	94.0	94.5	94.5	94.8	94.8	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	94.0	88.3	90.4	93.3	93.5	94.8	95.4	95.4	95.9	95.9	95.9	95.9	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	94.2	88.5	90.5	93.6	93.8	95.4	96.0	96.0	96.6	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 400	94.2	88.5	90.5	93.6	93.8	95.4	96.0	96.0	96.6	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 300	94.2	88.5	90.7	94.2	94.5	96.9	97.6	97.6	98.1	98.1	98.1	98.8	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	94.2	88.5	90.7	94.2	94.5	97.1	98.1	98.1	98.8	98.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	94.2	88.5	90.7	94.2	94.5	97.1	98.1	98.1	98.8	98.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	94.2	88.5	90.7	94.2	94.5	97.1	98.1	98.1	98.8	98.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 562

GLOBAL CLIMATOLOGY BRANCH
USAFELTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746957 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

NO CEST	VISIBILITY IN STATUTE MILES																
	IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE 200001	59.6	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 180001	59.5	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 160001	59.5	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 140001	61.7	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 120001	65.8	68.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 100001	67.7	71.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 90001	68.2	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 80001	71.3	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 70001	72.3	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 60001	72.8	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 50001	74.0	79.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 40001	74.7	80.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 30001	75.4	81.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 20001	75.4	81.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 10001	77.3	84.1	86.3	86.7	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 27001	78.8	85.5	88.2	88.7	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 20001	79.3	86.5	88.7	89.2	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 18001	79.3	86.5	88.7	89.2	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 15001	81.2	88.4	91.1	92.3	92.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 12001	81.2	88.4	91.1	92.5	92.8	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 10001	91.4	89.7	91.6	93.0	93.3	93.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 90001	91.4	89.7	91.6	93.3	93.5	93.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 80001	91.4	89.7	91.6	93.5	93.7	94.7	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 70001	91.7	89.9	91.8	93.7	94.0	94.9	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 60001	91.7	89.9	91.8	94.2	94.5	95.4	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 50001	91.9	89.4	92.3	95.4	95.7	96.6	96.9	96.9	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 40001	91.9	89.4	92.3	95.4	95.7	96.6	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 30001	91.9	89.4	92.5	95.7	95.9	96.9	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 20001	91.9	89.4	92.5	95.9	96.1	97.3	98.1	98.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 10001	91.9	89.4	92.5	95.9	96.1	97.3	98.1	98.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 415

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-86
MONTH: NOV HOURS/LIST: 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 5/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	57.5	62.5	62.5	62.5	62.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	67.5	73.8	73.8	73.8	73.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 18000	70.0	76.3	76.3	76.3	76.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 16000	70.0	76.3	76.3	76.3	76.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 14000	71.3	77.5	77.5	77.5	77.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 12000	72.5	83.8	83.8	83.8	83.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 10000	77.5	83.8	83.8	83.8	83.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 9000	77.5	83.8	83.8	83.8	83.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 8000	78.8	85.0	85.0	85.0	85.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	80.0	86.3	86.3	86.3	86.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 6000	80.0	86.3	86.3	86.3	86.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 5000	80.0	86.3	86.3	86.3	86.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 4000	80.0	86.3	86.3	86.3	86.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	80.0	86.3	86.3	86.3	86.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 2000	81.3	88.8	88.8	88.8	88.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1500	82.5	90.0	91.3	91.3	91.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1200	82.5	90.0	91.3	91.3	91.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1000	82.5	90.0	91.3	91.3	91.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 800	93.8	91.3	92.5	92.5	92.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	95.0	92.5	93.8	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 400	95.0	92.5	93.8	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 300	95.0	92.5	93.8	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 200	95.0	92.5	93.8	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 100	95.0	92.5	93.8	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 0	96.3	93.8	95.0	96.3	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS: 80

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DADE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10 6	GE 5 3	GE 4 3	GE 2 1 1/2	GE 2 1 1/2	GE 1 1/4	GE 1 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CEIL	44.1	47.4	48.6	49.5	49.6	50.3	50.6	50.7	50.9	51.0	51.4	51.9	52.3		
GE 20000	46.9	52.7	54.0	54.9	55.0	55.6	56.0	56.1	56.3	56.4	56.9	57.4	57.8		
GE 18000	49.4	57.3	54.6	55.5	55.6	56.3	56.7	56.8	56.9	57.1	57.6	58.1	58.4		
GE 16000	49.4	57.3	54.7	55.6	55.7	56.4	56.8	56.9	57.0	57.2	57.7	58.2	58.5		
GE 14000	54.1	54.1	55.4	56.4	56.5	57.2	57.6	57.7	57.8	58.0	58.5	59.0	59.3		
GE 12000	53.9	58.1	59.5	60.5	60.6	61.3	61.7	61.8	61.9	62.1	62.6	63.1	63.5		
GE 10000	55.6	60.2	61.9	63.3	63.4	64.2	64.6	64.7	64.8	65.1	65.7	66.8	66.9	66.7	
GE 9000	55.8	60.4	62.1	63.5	63.5	64.4	64.8	64.9	65.0	65.3	65.9	66.0	66.5	66.9	
GE 8000	58.8	64.0	66.2	68.0	68.2	69.1	69.5	69.6	69.8	70.1	70.7	70.8	71.3	71.6	
GE 7000	59.9	65.1	67.3	69.1	69.3	70.2	70.7	70.8	70.9	71.2	71.8	71.9	72.4	72.8	
GE 6000	60.6	66.0	68.1	77.1	78.2	78.1	71.6	71.7	71.8	72.1	72.8	72.9	73.3	73.7	
GE 5000	61.7	67.2	69.5	71.5	71.6	72.5	73.0	73.1	73.2	73.5	73.5	74.2	74.3	74.7	75.1
GE 4500	62.0	67.5	69.8	71.7	71.9	72.8	73.3	73.4	73.6	73.9	74.5	74.6	75.1	75.5	
GE 4000	53.9	69.7	72.1	74.2	74.3	75.2	75.7	75.8	76.0	76.3	76.9	77.0	77.5	77.9	
GE 3500	64.6	70.4	73.0	75.1	75.2	76.2	76.8	76.9	77.0	77.3	77.9	78.0	78.5	78.9	
GE 3000	66.5	72.9	75.7	78.0	78.2	79.4	80.0	80.1	80.2	80.6	81.2	81.3	81.8	82.3	
GE 2500	68.9	75.1	78.3	80.6	80.8	82.6	82.7	82.8	82.9	83.2	83.8	83.9	84.4	84.9	
GE 2000	70.0	76.7	79.6	82.3	82.4	83.9	84.6	84.7	85.0	85.3	86.0	86.2	86.7	87.2	
GE 1800	70.4	77.1	80.0	82.7	82.9	84.4	85.1	85.2	85.5	85.8	86.5	86.7	87.2	87.7	
GE 1500	71.3	78.4	81.4	84.5	84.7	86.5	87.2	87.3	87.6	88.0	88.4	89.1	89.5	90.0	
GE 1200	71.8	79.1	82.2	85.5	85.8	87.8	88.5	88.6	88.9	89.3	90.2	90.5	90.9	91.4	
GE 1000	72.4	79.8	83.1	86.6	86.8	89.2	90.0	90.1	90.7	91.2	92.1	92.3	92.8	93.3	
GE 900	72.6	80.6	83.3	86.8	87.1	89.4	90.3	90.4	91.0	91.5	92.4	92.6	93.1	93.6	
GE 800	72.8	80.3	83.6	87.3	87.5	89.8	90.7	90.8	91.7	92.1	93.2	93.4	93.9	94.4	
GE 700	73.0	80.6	83.9	87.6	87.8	90.2	91.1	91.2	92.0	92.5	93.5	93.8	94.3	94.8	
GE 600	73.3	80.9	84.2	88.0	88.3	90.7	91.8	91.9	92.8	93.7	94.3	94.5	95.0	95.5	
GE 500	73.5	81.2	84.8	89.9	89.2	91.8	93.0	93.1	94.1	94.6	94.7	95.9	96.6	97.2	
GE 400	73.5	81.2	84.8	88.9	89.2	91.9	93.2	93.2	94.3	94.8	95.9	96.2	96.9	97.5	
GE 300	73.6	81.3	85.0	89.3	89.7	92.9	94.5	94.6	95.9	96.7	97.2	97.5	98.2	98.8	
GE 200	73.6	81.3	85.0	89.3	89.7	92.9	94.5	94.6	95.9	96.7	98.0	98.3	98.9	99.6	
GE 100	73.6	81.3	85.0	89.3	89.7	92.9	94.5	94.6	95.9	96.7	98.0	98.3	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2074

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM POLAR OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC																PERIOD OF RECORD: 77-86									
																MONTH: DEC HOURS(LST): 0600-0800									
CEILING																VISIBILITY IN STATUTE MILES									
IN FEET	GE 10	GE 8	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 8	GE 10
NO CEIL	77.2	41.5	42.7	44.5	44.5	46.1	46.8	47.1	49.1	49.3	49.3	49.6	49.9	50.9	52.9	53.2	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
GE 20000	39.7	44.5	46.1	48.1	48.1	49.6	50.4	50.6	51.7	51.9	51.9	53.4	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	
GE 18000	39.7	44.5	46.1	48.1	48.1	49.6	50.4	50.6	51.7	51.9	51.9	53.4	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	
GE 16000	39.7	44.5	46.1	48.1	48.1	49.6	50.4	50.6	51.7	51.9	51.9	53.4	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	
GE 14000	40.5	45.3	46.8	48.9	48.9	50.6	51.4	51.7	52.7	52.9	52.9	54.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	
GE 12000	41.2	46.1	47.6	49.6	49.6	51.4	52.2	52.4	53.4	53.7	53.7	55.5	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
GE 10000	43.0	48.3	50.4	52.4	52.4	54.2	55.0	55.2	56.2	56.5	56.5	58.3	58.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
GE 9000	43.3	48.6	50.6	52.9	52.9	54.7	55.5	55.7	56.7	57.0	57.0	58.9	59.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
GE 8000	45.8	52.9	55.0	57.3	57.3	59.0	59.8	60.1	61.1	61.3	61.3	63.1	63.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 7000	45.6	53.7	55.7	58.3	58.3	60.1	60.8	61.1	62.1	62.3	62.3	64.1	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 6000	47.6	54.7	56.7	59.3	59.3	61.1	61.8	62.1	63.1	63.4	63.4	65.4	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 5000	45.4	56.5	58.8	61.3	61.3	63.1	63.9	64.1	65.1	65.4	65.4	67.2	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	
GE 4500	50.1	57.3	59.5	62.1	62.1	63.9	64.6	64.9	65.9	66.2	66.2	67.9	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	
GE 4000	50.4	57.6	60.1	62.8	62.8	64.6	65.4	65.6	66.7	66.9	66.9	68.7	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
GE 3500	52.2	59.5	62.1	64.9	64.9	66.7	67.4	67.7	68.7	69.0	69.0	70.7	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 3000	52.9	61.1	63.6	66.7	66.9	68.7	69.5	69.7	70.7	71.0	71.0	72.8	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
GE 2500	54.2	67.4	65.9	69.0	69.5	71.2	72.0	72.3	73.3	73.5	73.5	75.3	75.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
GE 2000	56.0	65.4	68.2	71.2	71.8	73.8	74.6	74.8	75.8	76.1	76.1	77.9	78.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	
GE 1800	56.0	65.4	68.2	71.2	71.8	73.8	74.6	74.8	75.8	76.1	76.1	77.9	78.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	
GE 1500	57.3	67.7	71.2	74.6	75.6	77.9	78.9	79.1	80.4	80.7	80.7	82.4	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 1200	58.6	69.5	73.0	76.6	77.6	80.2	81.2	81.4	82.7	83.2	83.2	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	
GE 1100	59.5	70.2	73.6	77.6	78.6	81.7	83.2	83.5	84.7	85.0	85.0	86.8	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
GE 900	59.5	70.2	73.8	77.6	78.6	81.7	83.2	83.5	84.7	85.0	85.0	86.9	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	
GE 800	59.8	70.5	74.3	79.4	79.4	82.7	84.2	84.5	85.8	86.0	86.0	87.8	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	
GE 700	60.1	71.0	74.8	78.9	79.9	83.2	85.0	85.2	86.5	86.8	86.8	88.5	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 600	60.1	71.0	74.8	78.9	79.9	83.5	85.5	85.9	87.0	87.3	87.3	89.1	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
GE 500	60.6	71.6	76.8	80.9	81.9	86.0	88.0	88.3	89.1	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
GE 400	60.6	71.8	76.8	80.9	81.9	86.0	88.0	88.3	89.1	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
GE 300	61.6	71.8	76.8	80.9	81.9	86.0	88.0	88.3	89.1	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
GE 200	60.8	72.3	77.4	81.4	82.4	86.5	88.5	88.8	89.6	89.8	89.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
GE 100	60.8	72.3	77.4	81.4	82.4	86.5	88.5	88.8	89.6	89.8	89.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
GE 71	60.8	72.3	77.4	81.4	82.4	86.5	88.5	88.8	89.6	89.8	89.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	

TOTAL NUMBER OF OBSERVATIONS: 393

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 0900-1100

NO CESTL	VISIBILITY IN STATUTE MILES																		
	IN	GE	CE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GF	GE	GE			
FEET	1	10	6	5	4	3	2	1 1/2	2	1	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CESTL	43.4	46.3	48.1	49.3	49.3	49.6	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	
GE 20000	49.1	52.7	55.0	56.5	56.5	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.8	57.8	57.8	57.8	57.8	57.8	
GE 18000	49.6	53.2	55.5	57.0	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.8	58.3	58.3	58.3	58.3	58.3	58.3	
GE 16000	49.6	53.2	55.5	57.0	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.8	58.3	58.3	58.3	58.3	58.3	58.3	
GE 14000	51.4	55.0	57.3	58.8	58.8	59.2	59.6	59.6	59.6	59.6	59.6	59.6	60.1	60.1	60.1	60.1	60.1	60.1	
GE 12000	52.5	57.1	59.4	63.9	66.9	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.2	67.2	67.2	67.2	67.2	67.2	
GE 10000	56.0	59.6	62.4	63.8	63.8	64.3	64.6	64.6	64.6	64.6	64.6	64.6	65.3	65.3	65.3	65.3	65.3	65.3	
GE 9000	56.5	60.1	62.8	64.5	64.5	65.0	65.3	65.3	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	
GE 8000	61.4	65.5	68.2	69.9	69.9	70.4	70.7	70.7	70.7	70.7	70.7	70.7	71.4	71.4	71.4	71.4	71.4	71.4	
GE 7000	62.2	66.3	69.1	70.7	70.7	71.2	71.5	71.5	71.5	71.5	71.5	71.5	72.2	72.2	72.2	72.2	72.2	72.2	
GE 6000	64.0	68.4	71.2	72.8	72.8	73.3	73.6	73.6	73.6	73.6	73.6	73.6	74.3	74.3	74.3	74.3	74.3	74.3	
GE 5000	66.1	70.9	73.8	75.5	75.5	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.9	76.9	76.9	76.9	76.9	76.9	
GE 4500	66.9	71.7	74.6	76.3	76.3	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	
GE 4000	67.4	72.2	75.1	76.8	76.8	77.3	77.6	77.6	77.6	77.6	77.6	77.6	78.2	78.2	78.2	78.2	78.2	78.2	
GE 3500	68.4	73.5	76.4	78.1	78.1	78.6	78.9	78.9	78.9	78.9	78.9	78.9	79.5	79.5	79.5	79.5	79.5	79.5	
GE 3000	70.5	75.8	78.7	81.0	81.0	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	
GE 2500	72.0	77.3	80.4	82.8	83.0	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.9	84.9	84.9	84.9	84.9	84.9	
GE 2000	73.2	78.4	81.7	84.8	84.9	86.1	86.7	86.7	86.7	86.7	86.7	86.7	87.6	87.6	87.6	87.6	87.6	87.6	
GE 1800	73.3	78.6	81.8	84.9	85.1	86.3	86.9	86.9	86.9	86.9	86.9	86.9	87.7	87.7	87.7	87.7	87.7	87.7	
GE 1500	74.5	79.9	83.3	86.9	87.1	88.5	89.2	89.2	89.2	89.2	89.2	89.2	90.7	90.7	90.7	90.7	90.7	90.7	
GE 1200	75.3	80.9	84.3	88.1	88.2	90.2	90.8	90.8	90.8	90.8	90.8	90.8	92.3	92.3	92.3	92.3	92.3	92.3	
GE 1000	75.6	81.5	85.3	89.2	89.4	91.7	92.3	92.3	92.3	92.3	92.3	92.3	93.8	93.8	93.8	93.8	93.8	93.8	
GE 900	75.6	81.5	85.3	89.2	89.4	92.0	92.6	92.6	92.6	92.6	92.6	92.6	94.1	94.1	94.1	94.1	94.1	94.1	
GE 800	75.8	81.7	85.6	89.7	89.7	92.0	93.0	93.6	93.6	93.6	93.6	93.6	95.3	95.3	95.3	95.3	95.3	95.3	
GE 700	75.8	81.7	85.6	89.7	89.7	93.0	93.8	93.8	93.8	93.8	93.8	93.8	95.6	95.6	95.6	95.6	95.6	95.6	
GE 600	75.9	81.8	85.9	89.9	89.9	93.1	93.9	93.9	93.9	93.9	93.9	93.9	95.7	95.7	95.7	95.7	95.7	95.7	
GE 500	76.8	82.7	86.7	90.7	91.0	94.4	95.6	95.6	95.6	95.6	95.6	95.6	97.2	97.2	97.2	97.2	97.2	97.2	
GE 400	77.1	83.5	87.1	91.0	91.3	94.8	95.9	95.9	95.9	95.9	95.9	95.9	98.5	98.5	98.5	98.5	98.5	98.5	
GE 300	77.1	83.5	87.1	91.0	91.3	94.9	96.1	96.1	96.1	96.1	96.1	96.1	99.0	99.0	99.0	99.0	99.0	99.0	
GE 200	77.1	83.5	87.1	91.0	91.3	94.9	96.1	96.1	96.1	96.1	96.1	96.1	99.0	99.0	99.0	99.0	99.0	99.0	
GE 100	77.1	83.5	87.1	91.0	91.3	94.9	96.1	96.1	96.1	96.1	96.1	96.1	99.0	99.0	99.0	99.0	99.0	99.0	
GE 0	77.1	83.5	87.1	91.0	91.3	94.9	96.1	96.1	96.1	96.1	96.1	96.1	99.0	99.0	99.0	99.0	99.0	99.0	

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS**

TOTAL NUMBER OF OBSERVATIONS: 601

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS/STL: 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 1 1/2	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CESTL 1	48.2	48.7	50.6	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 200001	57.7	59.2	60.5	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 180001	57.9	58.4	60.8	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 160001	57.9	58.4	60.8	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 140001	57.9	58.4	60.8	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 120001	60.8	61.7	64.1	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 100001	64.5	65.7	66.1	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 90001	64.6	65.7	68.1	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 80001	66.6	69.7	72.1	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 70001	72.0	73.9	73.3	74.9	74.9	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 60001	72.8	74.0	76.4	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 50001	73.6	75.2	77.5	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 40001	74.7	76.1	76.5	80.4	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 30001	76.1	77.5	79.4	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 35001	76.6	78.3	80.6	82.7	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 20001	78.5	80.1	82.7	85.3	85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 25001	82	81.3	83.9	86.5	86.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 27001	82	81.1	82.7	85.3	85.3	88.2	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 18001	82	81.1	82.7	85.3	85.3	88.2	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 15001	82	81.6	83.5	86.1	86.4	89.6	90.0	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 17001	82	82.3	84.0	87.0	90.3	90.5	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 10001	82	83.0	85.6	88.9	92.2	92.4	94.1	94.1	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 9001	82	82.0	85.3	89.4	92.7	92.9	94.6	94.6	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 8001	82	83.3	85.8	89.4	92.7	92.9	95.0	95.0	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 70001	82	83.2	86.1	99.6	92.9	93.1	95.3	95.3	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 6001	82	83.2	86.1	99.6	92.9	93.1	95.3	95.3	95.5	95.5	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 5001	82	83.9	87.0	90.5	93.9	94.1	96.2	96.9	96.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4001	82	83.9	87.0	90.5	93.9	94.1	96.5	97.4	97.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7001	82	83.9	87.0	90.5	94.1	94.3	96.7	97.6	97.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2001	82	84.2	87.4	92.8	94.8	95.6	97.4	98.3	98.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1001	82	84.2	87.2	90.6	94.8	95.0	97.4	98.3	98.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 51	82	84.2	87.2	90.8	94.8	95.0	97.4	98.3	98.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 423

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-86

MUNIC: LEX FOURSITES: 1980-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1' 6	GE 5'	GE 4'	GE 3'	GE 2'	GE 1 1/2'	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0'
NO CEIL	2.9	58.0	59.4	60.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 200001	2.9	60.9	62.3	63.8	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 180001	2.9	60.9	62.3	63.8	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 160001	2.9	60.9	62.3	63.8	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 140001	2.9	60.9	62.3	63.8	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 120001	2.9	60.9	62.3	63.8	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 100001	2.9	71.0	73.9	75.4	76.8	76.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 90001	2.9	72.5	75.4	76.8	78.3	78.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 80001	2.9	78.3	81.2	82.6	85.5	85.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 70001	2.9	78.3	81.2	82.6	85.5	85.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 60001	2.9	81.2	84.1	85.5	88.4	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 50001	2.9	81.2	84.1	85.5	88.4	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 40001	2.9	81.2	84.1	85.5	88.4	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 40001	2.9	81.2	84.1	85.5	88.4	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 350001	2.9	82.6	85.5	87.0	89.9	89.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 300001	2.9	84.1	87.0	88.4	91.3	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 250001	2.9	84.1	87.0	88.4	91.3	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 200001	2.9	84.1	87.0	88.4	91.3	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 180001	2.9	84.1	87.0	88.4	91.3	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 150001	2.9	84.1	87.0	88.4	91.3	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 120001	4.3	55.5	59.9	91.3	94.2	94.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 110001	4.3	57.0	91.3	92.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 100001	4.3	57.0	91.3	92.8	95.7	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 80001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 70001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 60001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 50001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 40001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 30001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 20001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100001	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE C1	4.3	57.0	91.3	92.8	97.1	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 69

69

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTHS: DEC HOURS(LST): ALL

CEILING IN FEET	GE 1C	VISIBILITY IN STATUTE MILES														
		GE 6	GE 5	GE 4	GE 3	GE 2	1 1/2	GE 2	1 1/2	1 1/4	GE 1	5/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	.1	44.7	46.8	48.4	49.3	49.3	49.7	50.0	50.0	50.2	50.3	50.3	50.5	50.6	50.8	51.2
GE 20000	.1	51.2	53.9	55.7	56.8	56.8	57.4	57.6	57.7	57.8	57.9	58.3	58.4	58.6	59.0	
GE 18000	.1	51.5	54.2	56.1	57.2	57.2	57.7	57.9	58.0	58.2	59.2	58.7	58.7	58.9	59.4	
GE 16000	.1	51.5	54.2	56.1	57.2	57.2	57.7	57.9	58.0	58.2	59.2	58.7	58.7	58.9	59.4	
GE 14000	.1	52.3	54.9	56.6	57.9	57.9	58.5	58.8	58.8	59.0	59.0	59.5	59.5	59.7	60.2	
GE 12000	.1	54.4	57.1	59.0	60.1	60.1	60.7	60.9	60.9	61.1	61.2	61.7	61.7	61.9	62.4	
GE 10000	.1	57.4	60.2	62.5	63.8	63.8	64.4	64.6	64.7	64.9	64.9	65.4	65.5	65.7	66.2	
GE 9000	.1	57.7	60.5	62.8	64.1	64.1	64.8	65.0	65.0	65.2	65.3	65.8	65.9	66.0	66.6	
GE 8000	.1	62.2	65.5	67.8	69.3	69.3	70.0	70.2	70.2	70.4	70.5	71.0	71.1	71.2	71.8	
GE 7000	.1	63.2	66.6	68.9	70.4	70.4	71.1	71.3	71.3	71.5	71.6	72.1	72.2	72.3	72.9	
GE 6000	.1	65.3	68.9	71.1	72.7	72.7	73.3	73.6	73.6	73.8	73.9	74.4	74.4	74.6	75.2	
GE 5000	.1	66.6	72.5	74.5	74.5	75.2	75.4	75.6	75.6	75.7	75.7	76.2	76.3	76.4	77.0	
GE 4500	.1	67.6	71.3	73.7	75.3	75.3	75.9	76.2	76.2	76.4	76.4	77.0	77.0	77.2	77.8	
GE 4000	.1	68.3	72.0	74.4	76.1	76.1	76.8	77.0	77.1	77.3	77.3	77.8	77.9	79.1	78.6	
GE 3500	.1	69.3	73.2	75.6	77.3	77.3	78.0	78.2	78.3	78.4	78.5	79.0	79.1	79.3	79.8	
GE 3000	.2	70.9	75.0	77.6	79.6	79.6	80.4	80.6	80.6	80.8	80.9	81.4	81.4	81.6	82.2	
GE 2500	.2	72.1	76.5	79.2	81.3	81.4	82.2	82.5	82.6	82.8	82.9	83.4	83.5	83.6	84.2	
GE 2000	.2	72.6	78.1	80.9	83.2	83.4	84.3	84.7	84.8	85.0	85.1	85.6	85.6	85.8	86.4	
GE 1800	.2	73.6	78.1	80.9	83.3	83.5	84.4	84.8	84.8	85.1	85.1	85.6	85.7	85.9	86.5	
GE 1500	.2	74.6	79.5	82.6	85.4	85.7	86.9	87.5	87.5	88.0	88.1	88.6	88.7	88.8	89.4	
GE 1200	.2	75.4	80.4	83.7	86.6	87.1	88.5	89.0	89.1	89.6	89.7	90.2	90.2	90.4	91.0	
GE 1000	.2	75.9	81.2	84.9	87.9	88.4	90.2	90.9	91.0	91.5	91.6	92.2	92.2	92.4	93.0	
GE 900	.2	76.0	81.4	85.1	88.1	88.7	90.6	91.3	91.4	91.9	92.0	92.6	92.6	92.8	93.4	
GE 800	.2	76.1	81.5	85.5	88.6	89.2	91.4	92.2	92.3	92.8	93.0	93.6	93.6	93.8	94.4	
GE 700	.2	76.3	81.9	85.8	89.0	89.6	91.8	92.7	92.8	93.3	93.5	94.1	94.1	94.3	94.9	
GE 600	.2	76.4	81.9	85.9	89.1	89.7	91.9	93.0	93.0	93.8	94.0	94.6	94.6	94.8	95.4	
GE 500	.2	77.1	82.9	87.2	90.5	91.1	93.8	95.1	95.2	96.2	96.4	96.4	97.4	97.5	97.7	98.3
GE 400	.2	77.2	83.0	87.3	90.6	91.2	93.9	95.3	95.4	96.6	96.7	96.7	97.7	97.8	98.0	98.7
GE 300	.2	77.2	83.1	87.4	90.7	91.3	94.2	95.6	95.7	96.3	97.2	98.1	98.3	98.5	99.1	
GE 200	.2	77.3	83.2	87.5	90.9	91.6	94.5	95.9	95.9	97.0	97.4	97.4	98.4	98.6	98.8	99.5
GE 100	.2	77.3	83.2	87.5	90.9	91.6	94.5	95.9	95.9	97.1	97.5	97.5	98.4	98.6	98.9	99.6
GE 71	.2	77.3	83.2	87.5	90.9	91.6	94.5	95.9	95.9	97.1	97.5	97.5	98.4	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 2097

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	CF 6	GF 5	GF 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	.0	43.2	48.0	50.1	51.6	51.7	52.4	52.7	52.7	53.0	53.1	53.1	53.4	53.4	53.8	54.2
GE 2000	.0	45.5	55.0	57.4	59.2	59.3	60.1	60.5	60.5	60.8	61.0	61.3	61.4	61.7	62.2	
GE 1800	.0	45.9	55.6	58.0	59.8	60.7	61.1	61.5	61.6	61.9	62.0	62.3	62.8			
GE 1600	.0	50.0	55.6	58.1	59.8	60.0	60.8	61.1	61.1	61.5	61.6	61.9	62.0	62.4	62.8	
GE 1400	.0	52.6	56.3	58.8	60.5	60.7	61.5	61.9	61.9	62.2	62.4	62.7	63.1	63.6		
GE 1200	.0	52.8	58.7	61.2	63.1	63.2	64.1	64.4	64.4	64.8	64.9	65.2	65.3	65.7	66.2	
GE 1000	.0	55.6	61.9	64.7	66.7	66.9	67.8	68.2	68.2	68.5	68.7	69.1	69.5	70.0		
GE 900	.0	55.9	62.2	65.0	67.0	67.2	68.1	68.5	68.5	68.9	69.0	69.4	69.5	69.9	70.3	
GE 800	.0	58.7	65.5	68.5	70.7	71.8	72.2	72.2	72.6	72.9	72.8	73.1	73.2	73.6	74.1	
GE 700	.0	59.4	66.3	69.3	71.6	71.8	72.8	73.2	73.2	73.5	73.7	74.1	74.2	74.6	75.1	
GE 600	.0	60.4	67.4	70.5	72.7	72.9	74.0	74.4	74.4	74.8	74.9	75.3	75.4	75.8	76.3	
GE 500	.0	61.4	68.5	71.7	74.0	74.2	75.2	75.6	75.7	76.0	76.2	76.2	76.6	77.1	77.6	
GE 450	.0	61.7	68.9	72.1	74.4	74.6	75.6	76.0	76.0	76.4	76.6	77.0	77.4	77.9		
GE 400	.0	62.6	70.1	73.3	75.7	75.9	77.0	77.4	77.4	77.8	77.9	78.0	78.3	78.8	79.3	
GE 350	.0	63.6	71.2	74.6	77.0	77.2	78.3	78.7	78.8	79.1	79.3	79.7	79.8	80.2	80.7	
GE 300	.0	65.3	73.2	76.8	79.4	79.7	80.8	81.3	81.3	81.7	81.9	82.3	82.3	82.7	83.2	
GE 250	.0	66.9	75.3	79.0	81.8	82.1	83.4	83.8	83.9	84.3	84.5	84.5	84.9	85.3	85.8	
GE 200	.0	68.4	77.2	81.1	84.1	84.4	85.8	86.3	86.3	86.8	87.0	87.4	87.5	87.9	88.4	
GE 180	.0	68.7	77.5	81.4	84.4	84.7	86.1	86.6	86.7	87.2	87.4	87.4	87.8	88.2	88.8	
GE 150	.0	69.7	78.9	83.0	86.4	86.7	88.3	88.9	88.9	89.5	89.7	89.7	90.1	90.2	90.6	91.1
GE 120	.0	70.2	79.5	83.7	87.2	87.6	89.3	89.9	89.9	90.5	90.7	91.2	91.2	91.7	92.2	
GE 100	.0	70.7	80.2	84.7	88.5	88.9	90.8	91.5	91.6	92.3	92.5	92.5	92.9	93.0	93.4	94.0
GE 90	.0	70.8	80.5	85.0	88.8	89.2	91.2	91.9	91.9	92.6	92.9	92.8	93.3	93.4	93.8	94.3
GE 80	.0	71.1	80.8	85.4	89.3	89.6	91.9	92.7	92.7	93.5	93.7	93.8	94.2	94.3	94.8	95.3
GE 70	.0	71.2	81.0	85.6	89.7	90.2	92.3	93.1	93.2	94.0	94.2	94.3	94.8	94.9	95.3	95.8
GE 60	.0	71.3	81.1	85.9	90.0	90.6	92.8	93.7	93.7	94.6	94.8	94.8	95.4	95.4	95.9	96.4
GE 50	.0	71.6	81.5	86.5	91.0	91.6	94.0	95.0	95.1	96.1	96.4	96.4	97.1	97.1	97.6	98.1
GE 40	.0	71.6	81.6	86.6	91.1	91.6	94.3	95.5	95.5	96.6	96.9	96.9	97.6	97.7	98.2	98.7
GE 30	.0	71.6	81.7	86.7	91.3	92.0	94.6	96.1	96.1	97.3	97.7	97.7	98.5	98.6	98.9	99.4
GE 20	.0	71.7	81.7	86.7	91.3	92.1	94.8	96.1	96.1	97.3	97.7	97.7	98.5	98.6	99.1	99.7
GE 10	.0	71.7	81.7	86.7	91.3	92.1	94.8	96.1	96.1	97.3	97.7	97.7	98.5	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 25977

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: JAN

..... PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	19.7			26.8					20.1	33.4	6.0	407	
09-11	15.6			25.0					19.6	39.7	6.5	627	
12-14	12.7			27.6					19.5	40.2	6.6	605	
15-17	16.6			25.0					20.7	37.7	6.4	440	
18-20	11.0			41.1					23.3	24.7	5.8	73	
21-23													
TOTALS	15.1			29.1					20.6	35.1	6.3	2152	

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: FEB

..... PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	13.0			29.4					12.4	45.4	6.5	339	
09-11	15.3			21.4					20.5	42.8	6.8	556	
12-14	7.9			23.9					23.6	44.6	7.3	560	
15-17	7.2			26.9					24.5	41.3	7.1	416	
18-20	10.6			28.7					22.3	38.3	6.7	94	
21-23													
TOTALS	10.8			26.0					20.7	42.5	6.9	1965	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	14.1			26.1						16.9	42.8	6.5	425
09-11	12.5			26.0						20.7	40.8	6.7	638
12-14	8.9			33.8						14.4	42.9	6.6	637
15-17	11.4			31.2						16.7	40.7	6.5	474
18-20	14.1			40.0						16.5	39.4	5.6	85
21-23													
TOTALS	12.2			31.4						17.0	39.3	6.4	2259

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	24.5			27.4						18.0	30.1	5.5	482
09-11	17.0			29.6						19.4	32.0	5.8	653
12-14	11.6			31.0						22.5	34.9	6.4	639
15-17	11.3			29.3						20.3	39.1	6.6	468
18-20	6.0			32.5						22.9	38.6	6.9	83
21-23													
TOTALS	14.5			30.0						20.6	34.9	6.2	2325

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD:
MONTH: MAY 78-87

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	12.2			22.6					23.0	42.3	7.0	575	
09-11	7.9			25.3					24.9	41.9	7.2	647	
12-14	3.8			28.4					27.2	40.6	7.4	606	
15-17	4.5			23.9					32.2	39.4	7.6	398	
18-20	15.2			21.2					29.8	34.8	6.7	66	
21-23													
TOTALS	8.7			24.3					27.2	39.8	7.2	2292	

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD:
MONTH: JUN 78-87

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	7.5			32.2					31.3	29.1	6.7	550	
09-11	4.2			34.6					28.2	33.1	6.9	625	
12-14	1.3			33.6					30.4	34.7	7.2	593	
15-17	2.5			32.1					30.3	35.1	7.2	433	
18-20	3.6			26.5					42.2	33.7	7.8	83	
21-23													
TOTALS	3.8			31.6					32.5	33.1	7.2	2284	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	2.9			31.2					31.0	34.9	7.2	513	
09-11	2.6			30.9					30.9	35.6	7.3	609	
12-14	.3			28.5					34.4	36.7	7.6	575	
15-17	2.3			29.1					33.7	34.9	7.4	350	
18-20	10.2			26.5					32.7	30.6	6.8	49	
21-23													
TOTALS	3.7			29.2					32.5	34.5	7.3	2096	

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08	6.0			40.6					39.2	23.2	6.3	483	
09-11	2.8			33.3					37.1	26.7	7.0	606	
12-14	1.3			28.4					40.3	30.0	7.5	603	
15-17	1.1			33.8					35.7	29.5	7.2	370	
18-20				37.5					35.7	26.8	7.0	56	
21-23													
TOTALS	2.2			34.7					35.8	27.2	7.0	2118	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: SEP

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PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
07-08	9.2			41.1						23.9	25.8	6.0	477
09-11	9.3			34.5						20.5	25.7	6.3	557
12-14	4.9			30.6					39.8	24.7	7.0	507	
15-17	6.4			30.3					41.3	22.0	6.5	244	
18-20	8.0			32.0					40.0	20.0	6.6	25	
21-23													
TOTALS	7.6			33.7					35.1	23.6	6.5	1830	

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STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 77-86
MONTH: OCT

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PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
07-08	9.8			31.3					26.0	22.9	6.6	480	
09-11	11.6			34.1					24.2	30.1	6.2	621	
12-14	7.3			31.7					29.5	31.4	6.7	586	
15-17	11.6			32.0					24.8	31.6	6.4	431	
18-20	19.1			15.3					19.1	26.5	5.4	68	
21-23													
TOTALS	11.9			31.9					24.7	30.5	6.3	2186	

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9		
00-02												
03-05												
06-08	11.1		28.0						25.3	25.6	6.7	346
09-11	12.8		25.6						28.1	23.6	6.7	587
12-14	9.4		27.0						27.0	26.6	6.9	577
15-17	9.2		29.9						21.2	29.7	6.6	411
18-20	17.7		32.9						23.3	29.1	5.7	79
21-23												
TOTALS	12.0		26.7						24.4	24.9	6.6	2050

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9		
00-02												
02-05												
05-08	11.7			70.1					20.0	38.2	6.5	385
08-11	11.6			25.1					22.9	40.4	6.9	606
12-14	10.0			25.9					23.9	42.2	6.4	599
15-17	10.1			24.0					19.3	41.5	6.8	424
18-20	14.8			24.6					23.2	33.3	6.2	69
21-23												
TOTALS	12.4			26.9					21.9	38.7	6.7	2063

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74E95C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 77-87

MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														
HOURS	(1LSY)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
JAN	ALL	1	15.1		29.1						20.6	75.1	6.3	2152
FEB		1	10.8		26.6						20.7	42.5	6.9	1964
MAR		1	12.2		31.4						17.0	59.3	6.4	2259
APR		1	14.5		30.0						20.6	34.9	6.2	2325
MAY		1	8.7		24.3						27.2	79.8	7.2	2242
JUN		1	3.8		30.6						32.5	73.1	7.4	2284
JUL		1	3.7		29.2						32.5	74.5	7.3	2096
AUG		1	2.2		34.7						35.8	27.2	7.0	2118
SEP		1	7.6		33.7						35.1	23.6	6.5	1830
OCT		1	11.9		34.9						24.7	30.5	6.3	2186
NOV		1	12.0		28.7						24.4	34.9	6.6	2050
DEC		1	12.4		26.9						21.9	38.7	6.7	2083
TOTALS	1	9.6		29.6							26.1	74.5	6.7	25640

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTT	EEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTT	EEE
PP	AA	RR	TT	EE
PP	AA	RR	TT	EE
PPPPPPPP	AA	RRRRRRR	TT	EEEEE
PPPPPPPP	AA	RRRRRRR	TT	EEEEE
PP	AA	RR	TT	EE
PP	AA	RR	TT	EE
PP	AA	RR	TT	EEEEE
PP	AA	RR	TT	EEEEE

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM) AND MEAN TEMPERATURES
PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATION AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 73 DEGREE FAHRENHEIT VALUE.

SINCE MANY STATION/SITES DO NOT HAVE MAXIMUM/MINIMUM THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS.

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY OBSERVATIONS.
PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.
AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATION FOR DRY BULB, LEFT BULB AND DRY POINT TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTHLY, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE MEAN, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

COMPARTIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTHLY, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.
ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFTAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 740950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87

HOURS1 STATS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST 1														
MEAN	54.8	53.2	47.0	56.2	65.2	72.2	76.3	74.7	78.8	84.0	81.3	42.2	59.0	
16-081 SD	10.661	10.826	9.814	8.527	7.552	6.478	5.204	5.902	7.191	2.186	10.816	11.469	16.047	
1TOT OHS1	411	346	435	497	586	565	538	511	501	363	405	393	588	
MEAN	42.1	45.6	55.0	64.4	72.8	79.6	83.6	82.8	77.9	77.0	60.7	50.2	65.4	
19-111 SD	9.517	10.504	9.757	8.870	7.379	5.668	4.697	4.869	6.141	7.283	8.916	10.253	16.111	
1TOT OHS1	632	558	639	678	650	630	621	621	565	501	591	611	739	
MEAN	46.8	49.2	58.2	67.0	74.7	81.6	85.9	84.8	86.3	71.4	64.0	54.6	66.1	
12-141 SD	9.290	10.276	10.598	9.072	7.946	6.434	5.592	5.877	6.468	7.168	8.724	10.093	15.627	
1TOT OHS1	407	360	636	644	608	596	546	611	511	555	671	717		
MEAN	44.9	47.4	56.2	64.7	73.3	79.7	83.7	83.5	78.2	74.4	61.1	52.1	65.2	
15-171 SD	9.667	10.591	10.145	8.517	7.366	6.429	5.693	5.238	6.243	7.144	8.527	9.876	15.525	
1TOT OHS1	444	417	477	472	398	433	353	384	275	474	415	424	492	
MEAN	38.3	43.0	50.8	66.2	69.8	76.8	80.5	80.5	71.1	71.3	53.0	46.7	59.4	
18-211 SD	8.251	9.566	8.594	9.643	7.638	5.697	4.540	4.662	4.693	6.615	9.477	9.159	16.034	
1TOT OHS1	73	94	85	86	66	84	51	61	70	68	80	69	89	
MEAN	42.5	45.6	54.5	63.3	71.4	78.2	82.3	81.5	76.1	77.0	59.6	50.2	64.5	
ALL SD	10.793	11.534	10.804	9.606	8.436	7.167	6.401	6.695	7.975	8.994	10.373	11.206	16.211	
1TOT OHS1	2165	1775	2274	2356	2308	2308	2143	2188	1882	1708	2073	2098	25978	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
	MEAN	34.9	37.3	44.6	52.5	61.8	68.4	72.9	72.1	66.6	57.3	49.7	41.9	57.0
06-08	SD	10.645	10.934	9.714	8.461	6.996	5.871	4.458	5.287	6.686	9.011	10.759	11.194	14.953
	TOT OBS	354	333	435	496	586	565	538	511	571	500	403	360	5582
	MEAN	39.4	41.9	49.3	56.4	65.0	71.5	75.9	75.6	70.7	62.6	55.7	46.2	59.3
09-11	SD	9.481	10.446	8.986	8.074	6.482	5.410	4.157	4.305	5.592	7.261	9.116	10.405	14.570
	TOT OBS	624	554	639	658	650	630	618	621	565	621	587	609	7356
	MEAN	41.6	43.8	51.6	57.8	65.8	72.4	76.8	76.3	71.5	63.3	57.2	46.8	60.4
12-14	SD	9.330	10.273	8.922	8.192	6.666	5.694	4.484	4.474	5.554	7.188	8.827	10.141	14.150
	TOT OBS	601	559	638	644	608	596	580	611	511	585	582	671	7116
	MEAN	39.7	42.4	49.7	56.9	65.3	71.6	76.0	76.5	70.8	61.9	55.9	47.3	58.6
15-17	SD	9.042	10.041	8.594	8.177	6.570	5.729	4.542	4.279	5.981	7.012	8.772	9.986	14.453
	TOT OBS	442	417	477	472	398	433	353	384	275	434	415	423	4923
	MEAN	39.4	39.5	46.6	54.5	63.7	70.9	75.1	75.7	67.1	58.4	50.6	44.6	55.1
18-20	SD	7.829	9.498	8.042	8.738	7.047	5.804	3.756	4.268	6.997	6.986	9.670	9.352	15.144
	TOT OBS	71	94	85	85	66	84	51	61	33	66	80	69	844
	MEAN	39.1	41.6	48.9	56.0	64.4	71.0	75.4	75.2	69.8	61.3	54.8	46.4	58.8
ALL	SD	9.775	10.574	9.271	8.366	6.874	5.853	4.622	4.903	6.299	7.965	9.742	10.604	14.601
	TOT OBS	2072	1957	2274	2355	2398	2308	2140	2188	1882	2205	2067	2062	25821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

Dew-Point Temperatures Deg F From
Hourly Observations

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
06-08	MEAN	32.0	34.8	42.0	49.3	59.6	66.4	71.4	71.0	65.4	58.1	48.0	39.7	55.0
	SD	12.672	12.445	10.778	9.350	7.586	6.490	4.726	5.459	6.949	9.369	11.484	12.589	15.614
	TOT OBS	354	333	435	496	586	565	538	511	501	503	403	360	5582
09-11	MEAN	33.6	36.9	43.9	49.6	60.1	67.4	72.7	72.6	67.1	58.4	51.5	41.4	54.7
	SD	12.434	12.630	10.762	10.686	8.227	6.935	5.198	5.190	6.667	9.004	11.323	13.086	16.279
	TOT OBS	604	554	639	658	650	630	618	621	565	621	587	609	7356
12-14	MEAN	34.2	37.1	44.2	50.1	60.3	67.8	72.9	72.8	67.2	57.9	51.8	42.4	54.7
	SD	12.618	12.728	10.499	11.361	8.495	7.170	5.656	5.260	6.692	9.347	11.492	13.416	16.398
	TOT OBS	601	559	630	644	608	596	580	611	511	585	582	601	7116
15-17	MEAN	32.3	35.6	43.3	50.3	60.4	67.6	72.8	73.7	67.1	57.4	51.5	41.8	53.5
	SD	11.770	12.365	10.245	11.174	8.371	7.103	5.500	4.961	7.282	8.755	10.996	12.818	16.656
	TOT OBS	442	417	477	472	398	433	353	384	275	434	415	423	4923
18-20	MEAN	36.4	34.5	42.0	49.6	59.8	67.8	72.9	73.7	64.9	56.2	48.3	42.0	51.6
	SD	10.651	11.572	9.509	11.357	8.555	7.152	4.091	4.716	7.734	7.881	10.836	10.660	16.633
	TOT OBS	71	94	85	95	66	84	51	61	30	68	80	69	844
ALL	MEAN	33.2	36.3	43.4	49.8	60.0	67.3	72.5	72.5	66.6	57.5	50.8	41.5	54.5
	SD	12.351	12.544	10.565	10.734	8.175	6.945	5.275	5.303	6.895	9.134	11.407	12.990	16.313
	TOT OBS	2072	1957	2274	2355	2308	2308	2140	2188	1892	2208	2067	2062	25821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS**

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECEIPT: 74-87
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL HOURS
		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%		
JAN	00-02												
	03-05												
	06-08	100.0	100.0	99.7	98.9	98.0	94.1	86.2	72.3	44.6	84.8	354	
	09-11	100.0	100.0	99.0	96.0	87.9	72.7	51.8	35.4	21.4	72.4	604	
	12-14	100.0	100.0	98.3	87.2	71.7	51.6	33.9	22.3	15.3	63.8	601	
	15-17	100.0	100.0	99.5	91.2	72.2	51.6	31.2	19.7	9.1	63.1	442	
	18-20	100.0	100.0	100.0	98.6	94.4	76.1	56.3	33.8	19.7	73.5	71	
	21-23												
	TOTALS	100.0	100.0	99.3	94.4	84.8	69.2	51.9	36.6	22.1	71.5	2072	

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: FEB

MONTH	FOURS (LS1)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.4	97.0	88.3	71.5	45.6	86.3	333
	09-11	100.0	100.0	100.0	98.2	92.1	76.0	49.6	35.0	17.3	72.6	554
	12-14	100.0	100.0	99.3	92.8	76.6	54.6	33.3	23.1	14.3	65.1	559
	15-17	100.0	100.0	99.5	94.5	81.1	59.5	34.5	22.1	12.5	65.9	417
	18-20	100.0	100.0	100.0	100.0	90.4	81.9	57.4	34.0	12.8	73.1	94
	21-23											
	TOTALS	100.0	100.0	99.8	97.1	87.9	73.9	52.6	37.1	20.5	72.6	1957

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS**

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	30-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.3	94.7	82.3	62.1	38.4	83.6	435
	09-11	100.0	100.0	100.0	96.7	84.2	61.8	39.3	26.3	13.3	67.9	639
	12-14	100.0	100.0	99.4	92.2	70.8	46.7	27.9	17.6	8.0	62.0	638
	15-17	100.0	100.0	99.2	91.8	75.5	55.8	32.7	19.5	10.3	64.1	477
	18-20	100.0	100.0	100.0	98.8	92.9	82.4	56.5	31.8	11.8	73.0	85
	21-23											
	TOTALS	100.0	100.0	99.7	95.9	84.5	68.3	47.7	31.5	16.4	70.1	2274

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN	TOTAL		
		10%	20%	30%	40%	50%	60%	70%				
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.0	96.2	86.9	71.0	51.2	28.2	79.1	496
	09-11	100.0	100.0	97.6	88.6	69.5	46.5	28.3	17.3	8.4	61.1	656
	12-14	100.0	100.0	94.1	79.3	58.9	39.4	22.5	14.9	6.1	57.3	644
	15-17	100.0	100.0	96.6	84.7	71.2	51.5	31.1	17.6	7.2	61.9	472
	18-20	100.0	100.0	98.8	94.1	83.5	75.3	48.2	29.4	11.8	69.7	85
	21-23											
TOTALS		100.0	100.0	97.4	89.1	75.9	59.9	40.2	26.1	12.3	65.8	2355

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78-87
MONTH: MAY

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.7	98.8	94.5	84.0	64.8	37.0	82.9	584
	09-11	100.0	100.0	98.9	95.1	84.6	62.0	38.6	18.5	4.6	65.8	650
	12-14	100.0	100.0	98.0	92.8	78.9	52.1	30.6	11.8	4.4	62.5	606
	15-17	100.0	100.0	99.5	95.7	84.4	59.8	39.7	15.8	4.5	65.3	398
	18-20	100.0	100.0	100.0	98.5	93.9	75.8	57.6	31.8	7.6	71.5	66
	21-23											
	TOTALS	100.0	100.0	99.3	96.4	88.1	68.8	50.1	28.5	10.2	69.6	2308

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC											PERIOD OF RECORD: 78-87	
											MONTH: JUN	
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN	TOTAL	
		10%	20%	30%	40%	50%	60%	70%	80%			
JUN	00-02									[RELATIVE]	[NUM]	
	03-05									[HUMIDITY]	[OBS]	
	06-08	100.0	100.0	100.0	100.0	99.6	95.2	84.2	62.3	24.4	82.6	565
	09-11	100.0	100.0	100.0	99.4	92.1	68.6	35.6	13.7	4.6	67.2	630
	12-14	100.0	100.0	100.0	97.8	85.4	56.7	26.3	11.7	3.0	63.9	594
	15-17	100.0	100.0	100.0	99.5	90.3	66.3	39.0	16.2	4.8	67.6	433
	18-20	100.0	100.0	100.0	100.0	98.8	84.5	66.7	27.4	9.5	74.3	84
	21-23											
	TOTALS	100.0	100.0	100.0	99.3	93.2	74.3	50.4	26.3	9.3	71.1	2308

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 78-87
MONTH: JUL

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN	TOTAL	
		(LST)	10%	20%	30%	40%	50%	60%	70%			80%
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	93.7	70.8	27.3	85.0	538
	09-11	100.0	100.0	100.0	100.0	96.9	84.1	44.9	14.1	2.6	70.3	616
	12-14	100.0	100.0	100.0	99.0	90.2	67.9	33.3	10.0	2.8	66.1	580
	15-17	100.0	100.0	100.0	99.4	94.9	81.0	48.2	19.0	5.4	70.7	353
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	86.3	31.4	9.8	78.0	51
	21-23											
	TOTALS	100.0	100.0	100.0	99.7	96.4	86.6	61.3	29.1	8.6	74.0	2140

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 7P-87
MONTH: AUG

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		(LST)	10%	20%	30%	40%	50%	60%	70%	80%		
AUG	00-07											
	08-15											
	06-09	100.0	100.0	100.0	100.0	100.0	99.8	97.7	82.2	36.6	88.2	511
	09-11	100.0	100.0	100.0	100.0	98.9	86.8	52.5	15.8	4.0	71.7	621
	12-14	100.0	100.0	100.0	100.0	93.8	75.5	35.5	13.6	4.9	69.2	611
	15-17	100.0	100.0	100.0	100.0	97.9	90.1	56.0	17.7	5.5	73.1	384
	18-21	100.0	100.0	100.0	100.0	100.0	96.7	91.8	42.6	9.8	80.0	61
	21-23											
	TOTALS	100.0	100.0	100.0	100.0	98.1	89.8	66.7	34.4	12.2	76.2	2186

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746952 STATION NAME: DALE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 7A-87
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN (RELATIVE HUMIDITY)	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	96.8	85.4	44.3	89.0	531
	09-11	100.0	100.0	100.0	100.0	97.0	79.3	45.0	16.1	3.4	69.8	565
	12-14	100.0	100.0	100.0	99.8	98.4	63.4	29.0	9.4	2.0	65.0	511
	15-17	100.0	100.0	100.0	99.3	92.4	77.5	47.6	13.1	3.3	69.2	275
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	90.0	63.3	80.7		36
	21-23											
	TOTALS	100.0	100.0	100.0	99.8	96.0	84.0	61.7	37.5	10.6	74.7	1882

GLOBAL CLIMATOLOGY BRANCH
USAFETAR
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE] HUMIDITY	[NUM] OBS
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.8	99.0	96.0	89.6	55.2	90.1	500
	09-11	100.0	100.0	100.0	99.4	89.5	73.3	47.9	26.2	6.9	70.1	621
	12-14	100.0	100.0	100.0	95.7	78.5	55.0	30.6	15.0	4.6	63.9	585
	15-17	100.0	100.0	100.0	98.4	89.2	69.5	47.5	23.0	5.5	69.0	434
	18-20	100.0	100.0	100.0	100.0	100.0	98.5	92.6	67.6	19.1	83.5	66
	21-23											
	TOTALS	100.0	100.0	100.0	98.7	91.4	79.1	62.9	44.3	18.2	75.3	2206

GLOBAL CLIMATOLOGY BRANCH
USAFAETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74E950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-86
MONTH: NOV

MONTH	FOLRS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	20-01											
	23-05											
	26-09	100.0	100.0	100.0	100.0	99.8	97.8	92.6	81.9	55.8	88.5	403
	29-11	100.0	100.0	99.8	98.1	90.6	77.9	57.4	36.1	13.6	73.1	587
	12-14	100.0	100.0	98.3	93.3	81.8	63.1	38.5	23.0	7.4	66.3	582
	15-17	100.0	100.0	99.3	96.9	90.8	76.4	57.8	33.0	10.4	72.1	415
	18-20	100.0	100.0	100.0	100.0	97.5	96.3	88.8	72.5	32.5	84.6	86
	21-23											
	TOTALS	100.0	100.0	99.5	97.7	92.1	82.3	67.0	49.3	23.9	76.9	2067

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC PERIOD OF RECORD: 77-86
MONTH: DEC

MONTH/HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC 00-02										RELATIVE	NUM
03-05										HUMIDITY	OBS
06-08	100.0	100.0	100.0	99.7	98.1	95.0	90.6	79.7	49.7	86.9	36L
09-11	100.0	100.0	99.8	97.2	88.8	75.9	55.0	36.3	16.3	72.8	609
12-14	100.0	100.0	98.8	90.0	78.9	58.4	37.1	22.3	11.0	65.3	601
15-17	100.0	100.0	99.1	94.8	84.9	70.7	49.2	29.6	13.0	69.7	427
18-20	100.0	100.0	100.0	100.0	98.6	95.7	87.0	65.2	39.1	83.9	40
21-23											
TOTALS	100.0	100.0	99.5	96.3	89.9	79.1	63.8	46.6	25.8	75.7	-

AD-A190 726

PINE COUNTY GUNNERY RANGE NORTH CAROLINA LIMITED
SURFACE OBSERVATIONS CLT (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JAN 88

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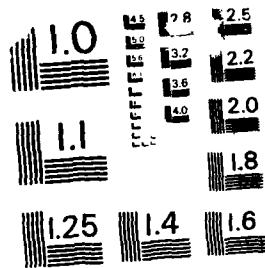
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 -

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	POURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.3	94.4	84.8	69.2	51.9	36.6	22.1	71.5	2072
FEB		100.0	100.0	99.8	97.1	87.9	73.8	52.6	37.1	20.5	72.6	1957
MAR		100.0	100.0	99.7	95.9	84.5	68.3	47.7	31.5	16.4	70.1	2274
APR		100.0	100.0	97.4	89.1	75.9	59.9	40.2	26.1	12.3	65.8	2355
MAY		100.0	100.0	99.3	96.4	88.1	68.8	50.1	28.5	10.2	69.6	2308
JUN		100.0	100.0	100.0	99.3	93.2	74.3	50.4	26.3	9.3	71.1	2308
JUL		100.0	100.0	100.0	99.7	96.4	86.6	61.3	29.1	8.6	74.0	2140
AUG		100.0	100.0	100.0	100.0	98.1	89.8	66.7	34.4	12.2	76.2	2188
SEP		100.0	100.0	100.0	99.8	96.0	84.0	61.7	37.5	10.6	74.7	1882
OCT		100.0	100.0	100.0	98.7	91.4	79.1	62.9	44.2	18.2	75.3	2208
NOV		100.0	100.0	99.5	97.7	92.1	82.3	67.0	49.3	23.9	76.9	2067
DEC		100.0	100.0	99.5	96.3	89.9	79.1	63.8	46.6	25.8	75.7	2062
TOTALS		100.0	100.0	99.5	97.0	89.9	76.3	56.4	35.6	15.8	72.8	25821

PPPPPF	PP	AAAAAA	RRRRRRRR	TTTTTTTT	FFFFFF
PPPPPPPP	PP	AAAAAAA	RRRRRRRR	TTTTTTTT	FFFF
PP	PP	AA AA	RR RR	TT	FF
PPPPPPPP	PP	AA AA	RR RR	TT	FF
PPPPPPPP	PP	AA AA	RRRRRRRR	TT	FFFF
PP	PP	AA AA	RRRRRRRR	TT	FFFF
PP	PP	AA AA	RR RR	TT	FF
PP	PP	AA AA	RR RR	TT	FF
PP	PP	AA AA	RR RR	TT	FF
PP	PP	AA AA	RR RR	TT	FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
	MEAN													
01	SD													
	TOT OBS													
	MEAN													
04	SD													
	TOT OBS													
	MEAN	30.058	30.024	30.000	29.964	29.992	30.012	30.012	30.039	30.050	30.066	30.097	30.114	30.034
07	SD	.248	.258	.274	.213	.154	.128	.107	.114	.125	.170	.193	.231	.193
	TOT OBS	166	143	172	193	201	195	192	185	194	181	164	160	2136
	MEAN	30.092	30.065	30.026	29.988	30.001	30.011	30.029	30.050	30.069	30.100	30.124	30.147	30.058
10	SD	.265	.267	.276	.235	.161	.134	.109	.114	.125	.175	.196	.228	.205
	TOT OBS	211	189	212	219	217	211	207	207	189	209	198	204	2473
	MEAN	30.022	30.017	29.987	29.957	29.979	29.991	30.006	30.024	30.035	30.066	30.071	30.075	30.018
13	SD	.269	.260	.282	.236	.159	.136	.113	.112	.125	.174	.203	.233	.205
	TOT OBS	207	169	214	215	208	200	200	212	171	199	196	201	2412
	MEAN	30.039	30.020	29.968	29.932	29.955	29.972	29.981	29.994	30.017	30.065	30.060	30.076	30.006
16	SD	.258	.256	.272	.222	.159	.138	.112	.113	.131	.160	.201	.237	.207
	TOT OBS	150	138	162	155	139	150	119	128	96	147	142	147	1673
	MEAN													
19	SD													
	TOT OBS													
	MEAN													
22	SD													
	TOT OBS													
	MEAN	30.054	30.033	29.997	29.962	29.984	29.998	30.010	30.030	30.046	30.075	30.090	30.105	30.031
ALL	SD	.262	.261	.277	.230	.159	.134	.111	.114	.127	.171	.199	.233	.203
	HOURS	734	659	760	782	765	756	718	732	640	736	700	712	8694

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HRS FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746952 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 78,84-87

FOLRS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
	MEAN													
01	SD													
	TOT OBS													
	MEAN													
04	SD													
	TOT OBS													
	MEAN	1017.0	1017.2	1019.0	1013.4	1016.5	1016.5	1016.4	1017.5	1018.8	1020.5	1019.4	1021.1	1017.7
07	SD	8.009	9.619	7.591	5.674	5.144	4.075	3.615	4.156	4.721	4.650	7.522	6.723	6.277
	TOT OBS	51	50	54	58	53	62	59	79	72	49	28	51	665
	MEAN	1018.5	1018.3	1019.8	1014.9	1016.6	1016.6	1017.1	1017.9	1019.8	1021.2	1020.4	1021.8	1018.5
17	SD	9.026	9.130	8.098	6.845	5.326	4.145	3.686	4.131	4.561	4.902	7.309	6.714	6.528
	TOT OBS	64	55	61	63	58	63	69	85	72	61	50	63	744
	MEAN	1016.5	1017.0	1014.4	1014.1	1016.0	1015.8	1016.3	1017.0	1018.5	1020.1	1019.5	1019.9	1017.4
18	SD	9.409	8.924	8.212	6.882	4.591	4.239	3.724	4.097	4.641	4.901	7.461	6.865	6.514
	TOT OBS	62	56	59	61	52	58	65	84	65	60	30	63	715
	MEAN	1018.1	1016.8	1018.8	1012.8	1014.8	1015.1	1015.5	1016.6	1018.5	1019.9	1018.6	1020.1	1017.1
16	SD	8.013	8.849	7.762	7.497	4.609	4.660	4.255	3.987	4.798	4.649	7.418	6.484	6.557
	TOT OBS	39	43	44	42	40	40	31	53	38	45	20	44	479
	MEAN													
19	SD													
	TOT OBS													
	MEAN													
22	SD													
	TOT OBS													
	MEAN	1017.5	1017.4	1019.0	1013.9	1016.0	1016.1	1016.5	1017.3	1019.0	1020.5	1019.6	1020.8	1017.7
ALL	SD	8.710	9.065	7.904	6.687	4.966	4.255	3.770	4.110	4.688	4.788	7.346	6.719	6.483
	HOURS/TOT OBS	216	204	216	224	203	223	224	300	247	215	108	221	2603

SUPPLEMENTAL DATA SECTION SPECIAL CAVEAT PAGE

1. GIVE PARTICULAR ATTENTION TO THE HOURS OF OPERATION PROVIDED AT BEGINNING OF THE LINES.
2. EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS WILL NOT REFLECT IN THESE SUMMARIES.
3. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES MAY NOT REFLECT TRUE 24-HOUR AMOUNTS.
 - a. RECORDED PRECIPITATION AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS.
 - b. PERIODS GREATER THAN 24 HOURS DO NOT TAKE INTO ACCOUNT EVAPORATION.
 - c. THIS 24-HOUR AMOUNT MAY, BUT MORE FREQUENTLY DOES NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT.
 - d. COMBINATIONS OF THE ABOVE LIMITATIONS TEND TO FURTHER EXAGGERATE THE QUESTIONABILITY OF THESE 24-HOUR AMOUNTS.
4. MONTHLY AMOUNTS OF PRECIPITATION (INCLUDING SNOWFALL) ARE NOT AS SERIOUSLY AFFECTED AS THE 24-HOUR VALUES. HOWEVER, EVAPORATION (SUBLIMATION) CAN CAUSE "BOGUS" AMOUNTS TO BE INCLUDED FOR NON-OPERATIONAL PERIODS WHERE THE VALUES ARE DEPENDENT ON THE LENGTH OF TIME OF THESE NON-OPERATIONAL PERIODS.
5. THE TEMPERATURES SUMMARIES REPRESENT THE "HIGH" AND "LOW" SUMMARIZED TEMPERATURES AND NOT THE ACTUAL MAXIMUM AND MINIMUM TEMPERATURES.

USAFTAC RECOMMENDS THAT COPIES OF FULL TIME PERIODS, WHEN AVAILABLE, BE ACCOMPANIED BY THE CAVEAT --EXTREMES OCCURRING OUTSIDE THE FULL TIME PERIOD SUMMARIZED ARE NOT REFLECTED IN THESE SUMMARIES.

USAFTAC ALSO RECOMMENDS LIMITED DISTRIBUTION OF THE LIMITED OR PART TIME PERIOD TO METEOROLOGIST (TECHNICIANS), AND BE ACCCOMPANIED BY THIS CAVEAT PAGE.

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".L" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".000" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".00" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: ".00" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPDLS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESNTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

GLOBAL CLIMATOLOGY BRANCH
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CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 74695C

STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 67-70, 73-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 1L01							.5						.0
GE 951						3.8	8.8	3.8	.5				1.5
GE 901				1.9	1.5	14.3	28.4	26.3	8.3	1.0			7.3
GE 851			.5	3.4	14.9	37.1	69.1	65.7	26.5	2.9			19.8
GE 811			2.7	11.6	38.6	68.1	93.1	91.1	42.2	17.1	1.1		34.2
GE 751	1.1	1.3	10.8	28.5	64.9	88.6	99.5	99.1	48.1	46.8	13.6	2.8	48.0
GE 701	2.2	3.2	21.0	50.2	85.1	97.6	100.0	100.0	96.4	69.8	37.3	10.1	58.8
GE 651	7.7	9.7	34.9	69.6	94.6	99.5			100.0	69.3	53.1	20.7	67.6
GE 601	17.7	23.2	49.5	87.0	97.5				97.1	72.3	36.3		75.6
GE 551	31.5	33.5	65.6	92.8	100.0	100.0			99.5	90.4	55.9		82.6
GE 501	45.3	53.5	80.6	98.1					100.0	98.3	72.6		88.6
GE 451	66.9	69.0	93.5	100.0						99.4	66.0		93.7
GE 401	78.5	84.5	98.9							100.0	92.7		96.6
GE 351	89.5	94.2	100.0								99.4		98.7
GE 301	96.7	100.0									100.0		99.7
GE 251	98.3												99.9
GE 201	100.0												100.0
MEAN	48.7	50.5	60.1	69.1	76.9	82.5	87.1	86.2	81.3	73.2	65.3	55.9	69.7
SU	10.935	10.436	10.725	9.057	7.064	6.638	5.019	4.896	5.816	6.943	8.230	10.182	15.211
TOTAL OPS	181	155	186	207	202	210	204	213	193	205	177	179	2312

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA**

STATION NUMBER: 74695C

STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 67-70, 75-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 851						1.0	.5	.5					.2
GE 871						3.3	10.3	3.8	.5				1.6
GE 751					2.5	17.6	37.7	31.0	4.7	.5			8.4
GE 771					1.0	10.4	41.4	67.1	25.9	3.9			22.6
GE 651	.6				8.7	37.6	69.0	92.2	86.9	55.4	18.0	6.2	1.7
GE 621			7.5		27.1	57.4	89.0	98.0	96.7	74.6	24.6	16.9	4.5
GE 551	3.3	3.4	16.1	43.5	75.7	96.2	100.0	100.0	89.6	56.6	34.5	8.9	54.9
GF 571	7.2	11.0	27.4	63.3	87.6	100.0			97.4	77.1	46.3	19.0	63.9
GE 451	12.7	18.1	44.1	80.2	96.0				99.5	65.4	64.4	21.3	71.7
GE 421	23.8	31.0	60.8	91.3	100.0				100.0	94.6	74.0	48.0	79.0
GE 351	35.9	47.7	80.1	98.1						98.0	85.3	62.6	85.5
GF 331	41.0	55.5	86.6	99.5						99.5	91.0	69.3	88.2
GE 301	51.6	69.4	91.9	100.0						100.0	96.0	79.9	91.7
GE 251	74.6	85.8	99.5								98.9	93.9	96.5
GE 211	85.0	98.1	100.0								100.0	100.0	99.0
GE 151	96.1	99.4											99.7
GE 121	95.4	100.0											100.0
GE 51	100.0												100.0
MEAN	32.0	35.1	43.4	52.5	60.3	67.8	72.7	71.1	64.2	55.5	48.0	39.3	53.5
SD	10.914	9.972	9.730	8.792	8.141	6.909	5.253	5.591	7.190	9.077	11.047	10.618	15.924
TOTAL ORS	181	155	186	207	202	210	204	213	193	205	177	179	2312

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746950

STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 67-70, 73-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 97						1.0	.5	.5					.2
GE 85						7.1	18.6	9.9	1.6				3.3
GE 87					1.0	3.5	24.8	56.4	48.8	13.0	1.0		13.3
GE 75					3.9	20.8	53.8	98.2	92.2	78.3	7.8		26.3
GE 70	.6				15.5	52.0	83.8	99.5	97.2	77.2	22.0	7.3	1.1
GE 65	1.1	.6			11.8	38.2	73.3	97.1	100.0	100.0	91.7	53.2	23.7
GE 60	5.0	6.5			26.9	57.5	89.6	99.0			99.5	78.5	40.1
GE 55	5.9	12.9			35.5	78.3	98.0	100.0			100.0	90.7	59.9
GE 50	16.0	25.2			55.4	91.8	100.0				98.5	77.4	42.5
GE 45	11.6	40.0			75.6	98.6					100.0	90.4	61.5
GE 40	51.6	56.8			93.0	100.0						98.3	78.8
GE 35	72.4	83.9			98.9							100.0	51.6
GE 30	87.8	92.3			100.0								56.9
GE 25	96.1	100.0											100.0
GE 20	98.9												99.9
GE 15	100.0												100.0
MEAN	40.6	43.1	52.1	61.0	68.9	75.3	80.1	79.0	73.0	64.6	56.9	47.8	61.9
SU	10.025	9.509	9.369	8.034	6.750	6.128	4.476	4.533	5.691	6.946	8.750	9.526	15.128
TOTAL ODS	181	155	186	207	202	210	204	213	193	205	177	179	212

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 74695C STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 66-70, 73-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
56													
57													
64	*67	*55	*74	*80	*86	*88	*89	*88	*82	*84	*68	*74	
69	*68	*54	*71	*76	*85	*90	*90	*89	*78	*79	*76	*59	*90
70	*67	*53	*60	*77		*94	*89	*89	*89	*76	*56	*72	
73	*37	*54	*79	*73			*88		*83	*82	*62	*72	
74	*75	*64	*78	*90	*81	*85	*90	*87	*86	*84	*78	*52	*90
75	*55	*69	*80			*79			*74	*77	*79		
76			*56			*78	*85		*79	*69			
77			*60			*88	*89	*95	*97	*88	*78	*80	*71
78	*59	*66	*76	*81	*88	*94	*95	*93	*92	*82	*79	*68	*95
79	*65	*65	*79	*82	*84	*81	*92	*86	*86	*63	*75	*71	*92
80	*64	*66	*73	*77	*89	*96	*94	*88	*92	*76	*74	*75	*96
81	*65	*68	*81	*90	*85	*98	*97	*95	*89	*86	*73	*66	*98
82	*68	*77	*80	*76	*85	*90	*94	*94	*89	*81	*77	*76	*94
83	*65	*63	*77	*85	*83	*88	*86	*95	*96	*86	*73	*69	*96
84	*62	*71	*68	*78	*85	*96	*93	*95	*85	*84	*80	*77	*96
85	*75	*66	*89	*93	*90	*94	*95	*95	*94	*87	*79	*70	*95
86	*68	*76	*78	*87	*93	*96	*100	*94	*90	*92	*78	*76	*100
87	*65	*65	*74	*82	*91	*94	*98	*94	*90				
MEAN													
% DRY													
TOTAL OBS	191	155	186	207	202	210	204	213	193	205	177	179	2312

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746950 STATION NAME: DARE COUNTY GUNNERY RANGE NC

PERIOD OF RECORD: 66-70, 73-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
66													
67													
68	*19	*24	*23	*46	*40	*52	*60	*61	*43	*39	*20	*31	
69	*22	*23	*26	*37	*47	*65	*62	*55	*46	*39	*33	*26	*22
70	*11	*22	*39	*34		*75	*70	*73	*52	*35	*34	*31	
73	*32	*33	*38	*38			*70		*58	*59	*43	*24	
74	*40	*20	*36	*38	*51	*58	*59	*60	*50	*73	*32	*27	*20
75	*32	*27		*56		*73			*69	*58	*36		
76			*42			*59	*52	*69	*53	*46			
77			*38	*39	*44	*59	*70	*60	*54	*43	*34	*20	
78	*14	*19	*26	*46	*41	*54	*55	*65	*58	*34	*45	*24	*14
79	*19	*20	*33	*47	*45	*59	*66	*58	*59	*41	*36	*24	*19
80	*23	*14	*29	*43	*51	*56	*63	*66	*59	*34	*31	*20	*14
81	*9	*21	*28	*34	*53	*61	*65	*63	*46	*41	*24	*24	*9
82	*12	*30	*29	*35	*41	*58	*71	*67	*54	*42	*30	*26	*12
83	*20	*25	*34	*37	*47	*53	*57	*57	*51	*43	*32	*22	*20
84	*22	*26	*27	*40	*46	*55	*63	*57	*45	*55	*25	*31	*20
85	*13	*20	*29	*35	*47	*58	*64	*65	*64	*50	*46	*26	*13
86	*16	*26	*33	*41	*43	*59	*71	*65	*49	*35	*44	*28	*16
87	*18	*25	*29	*39	*40	*58	*63	*56	*52				
MEAN													
S.D.													
TOTAL OBS	181	155	186	207	202	210	204	213	193	205	177	179	2312

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

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